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SEQUENCE LISTING

<110> Vogeli, Gabriel
Wood, Linda S.

<120> Novel G Protein-Coupled Receptors

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<141> 2001-03-08

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OFFICE OF PETITIONS

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aggccatcca gaatgctcct attctgtttg ggagctgggg atgggaatgt cccttcctga	540
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ggagattctc tctccctcta cttgctggca gccaggatgt gggctcatga cctaaactca	660
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<210> 22
 <211> 462
 <212> DNA
 <213> Homo sapiens

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catcctttta gctggaccct ctggggacca agacagcaga ccagctgcct cttctacagg	180
gcagccctcc aaatggctgg ggccactgtc ttctctgcac tagaagacct ttctatggta	240
gtatccttcc acataagcta tgacttctat tcccaggaaa gcctgatttg tctcctctaa	300
atgcacttcc acttatctgt gaccctctta caatgaaatc agagagagat aaccctgac	360
ttctaactca gagcaagcaa gctcccaggt cttcagaggc cctgcagggc acacagatga	420
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<210> 23
 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 23	
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tgaagatctt tatttggtag ctatggcttc agctagttca tttgctaagt tacctagagt	120
ggttgacaga tttctaatta tacgttcatg agaggttact cccactatt gcaagagact	180

tctgccaaac ataggccaaa attcatctcc ttggtttgca ggtacagttt gtctaatect	240
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aggaagagcc acataaccta atagacaatt acctctcata tgccagtggc caacacattc	360
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<210> 24
 <211> 669
 <212> DNA
 <213> Homo sapiens

<400> 24	
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agaggaatgt ggttctgcta gttcattcat gctgtggttt taatttctga taagagcttg	180
attatacaca ttctcaaagg cattggaaag ttaaaagaaa gtccttttag gtagcagtc	240
atgacaaatg cagttcatga aatctgtgtc cttttcattc ccttctgagt aattcctctc	300
tgtctctatc aaagccttgg atactccatg gtttactagg cagaaactta tccatccaac	360
acagccacat ggatacagct ttgtgctttt agacaataac cacttgagaa aacctgacct	420
tttccccac ttttcattca gcttctgtcc tgctgaaaac aagaggacat cctgccacat	480
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<210> 25
 <211> 654
 <212> DNA
 <213> Homo sapiens

<400> 25

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aataaaatcc aaatttaatc catcacattg acaatgatta aaattaaatt taaagcagtg	180
ttgggaagaa tacagtgage tgggtgccat acacactgtg atgagagtgt agaaatctta	240
cagtcttacc agaaagcaaa tgtatcaaac actttcaaaa tggtcatact tcctaaccta	300
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aggaaaatac ctatgatact ttaaatttta aaaagttaca tagcagaaga ggccatattt	540
caatttttgc cttggaaaaa tatggtatca ctacagaaat gttgtagtgt tatcgctgac	600
aacactagtt atctaggata aagggatatt ctcatcttca tttcaccttt agta	654

<210> 26
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 26	
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tatccagagg caaaatttca tgggctttga taaagggtga tatttttcga taaggaggaa	180
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cagaacattg cagggcctct tctcagagga gcagcgggtga tgagcttagt ttcttaggct	420
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gagaacaaac atcccatctc tttatcaaag ctcttcattg gctttggaaa actgctgtag	540
gcctaaggaa actaaacttt ctagggatat tctaggtttt aaacatatga gaaagagaaa	600
gacgtcgggt cttatttaag agagtttatg agaccttatc cttgaaatag tcaaatttat	660
aatgacata aggctgtatg tgtagtt	687

<210> 27
 <211> 622
 <212> DNA

<213> Homo sapiens

<400> 27

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cttgcccatg tgtgtacact catcttgtgc tactctcttt ctcatcaat atgctccacc    180
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aattctgtca gtgtattata agaacttatt tacaggtttt gtctcttcta ctatggcgtg    540
agccttttag tcatatgaat tgtgattttg tatatttagc gcctaccatg gtgcttaatt    600
cgtggtaggt gctcggtaaa tg                                             622
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<210> 28

<211> 684

<212> DNA

<213> Homo sapiens

<400> 28

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ttgggcttta tcgcttttcc accatcatta tctgcatcac tgccctgcagg ttttctacac    180
ggccagggtt ggtctctgcc tgctcaatag tcaagtcaaa agaggcagga aattaacacc     240
ctctggaggc agcctttgag gaatgatcca tgggaggtgg agtataaata cctcagctct     300
gtttcctcta gagatataac taaggaatgg gttttacatt gtttctcaga gtttcctcaa     360
ggtttttaac ttcaatcacc cacaggggta gtgggcttta tcatagtata catcctttgt     420
ggcttccctt cttcttctgc tcaattctcc attccaaact aggatttatt tcttttcctt     480
aaaacaaaac aaaatgttta acctgaaacc cttacaaaac acgtaaaatt tatatttaaa     540
aaatctaaat atttgaggag agaacgaaac ctaagtatat gccaggtat aacacgattg     600
gtggagatag ctttaaaaaa gttcctgaaa aatttagttt ttaaaagggt accctagtag     660
aagtgactt aactgcctaa tttc                                             684
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<210> 29
 <211> 731
 <212> DNA
 <213> Homo sapiens

<400> 29
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 cccagaggat ttccagacag ctgcacagat ttaagtgcag aaatctgagc agaggtatag 180
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 agtctgagaa tttgtatcag cagtgttctt aggctgtctg gtctgagtaa ttgggatcag 360
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 agccagaatt cagacctggg gtgtcttggc tgatgtgagc tagtgtgggc cagcatggga 600
 cacagaggga ggattagctg gagaagcagg acagagggca agagagacga gatctccgac 660
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<210> 30
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 30
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 agtaaacagc aagattccac actagctctt aactggccaa gctatatattc tataactaga 180
 attgctatth gtggatttcc ataagttata ataacacgat aagaccactt tatccatgta 240
 ttctagtgc tttttcttcc tatagcaaaa agaaaaatac atctttcacc atttacaagt 300
 acaaatttca aggagaaatt taaaaggag agtaacaaac tgtcctgagt tgcagcaaga 360
 ctctgagag ttccatttcc tgggccctct gctgcctgtt tttggcattg aaccaggaa 420
 tcttttctaa agcacacaga aatcttgcaa aagaggccat ttctagttag gcttttgtcc 480
 aactgtctag ttaaataaat taaattctta gattacaaaa tgtgcttcaa aggtttaaca 540

aattgaaatg tccttaagta tttcaaataa attaaggaag aattcccatt cccatagtct	600
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<210> 31
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 31	
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ctcaatttgg tttagtgtca ttgtagtctt gctttctaca tcttactaat gtctcattta	180
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acaaacagcc ctttaaaact attgtttatac tttgttcagt ggattctggt agaggcttta	300
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caggcaaaat tcagaactgg cctgctagca gtcttaccag gggtataaaa gtaagattat	420
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ccccaaagctg ctaaattcgt ggtcttatga atgtctccat tgcgtgtgtt gctgtaacaa	540
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<210> 32
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 32	
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gtggcaaaga caggtaataa tgactcagtg tattctacta aggacaagca tatcgtgcta	300
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ggatctgaag actgagagtt atctaagtg ggagagcatt gcaggcaggg ggatcagcat	420
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<210> 33
 <211> 695
 <212> DNA
 <213> Homo sapiens

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 aatactattg cttgttcact taacaatgat tacttgaaca tagttcagct aaagctttta 180
 tgatattcac taatctagca tttattttcg cattgctttc caccatcact aaagtaatta 240
 ctacatgttc accaactaat tattctgatg gtgcattaag aattgatctt taccttaata 300
 ttttatggta tcaagtgttt ttgcattcat caagaatatt ccattttgct tatattttaa 360
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 ttataaaaaa tgcttttctt tattaataac tgtctctatc tcaagttctt catagtgcgc 660
 tattttttct ttttgatttc ctgtagagat acata 695

<210> 34
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 34
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 gctagaatta atttcctagc tggagttgtc cccatgacct gaagctgagt gcctgctcta 540
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tgcaatgtcc cattcctagt tgcatctga aatataacat ctgagttcac agtat 655

<210> 35
 <211> 506
 <212> DNA
 <213> Homo sapiens

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 tctatgtacc cttccacagg aactattaga ggtaagcat cattcagcca aaaatgacta 180
 gacaaacttc aatgagagga ctgatgtgaa catttaaata tatatcaaga tagatctaag 240
 gttaaaaatt attgagaata aaattggaag aacaatgtat caacgttatg ctattcaaaa 300
 ctagaaataa tgcatgtaaa caatgggaga agaagggaag gtaaaaaaga caattgtaaa 360
 agcacgttat tggatagcaa atgtatggga agtaaagtac acacattaaa cttggcaaac 420
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 gccttaaaac aaatattaaa accttt 506

<210> 36
 <211> 645
 <212> DNA
 <213> Homo sapiens

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 cacaaatatt ttatatgatc ttgaaaatat aagtgtcct ttaatcattg tgatatcaaa 600
 ttcaaaatta acattaattc tcaaataaat agggctatff tgatg 645

<210> 37
 <211> 563
 <212> DNA
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<210> 38
 <211> 604
 <212> DNA
 <213> Homo sapiens

<400> 38
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<210> 39

<211> 687
 <212> DNA
 <213> Homo sapiens

<400> 39
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 <211> 550
 <212> DNA
 <213> Homo sapiens

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 agttctgcaa gattcaatat cattcatagt ctccagcact ctagagtaat cattactagc 300
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<210> 41
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 41
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<210> 42
 <211> 653
 <212> DNA
 <213> Homo sapiens

<400> 42
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 atttctttat tgagtagtgg gaccgtctag actgtgtgct gactcttact aaagtcattt 180
 gtttttctta cccgtggaga ggtgtattct tgaacccttt aaacgggtct ctactttggc 240
 ctaagaccat attagaaaac ttttttgaag tcaattatta tatgccatat aattaaaaag 300
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 caaactatat gtggcaatta aaacttaaaa aaaaaagcct gaattggctc ttagaaatat 420
 ttaatcaagt agtatccact agaacttaac atttcatcct gtggatcatc acacacaaaa 480
 tacccaaccc tgctgtcatt cagggctcta gcaggaacag gtagcatcaa ataggataat 540
 tgatgagagc ttaagaaagg aactatttac aaatatgtgg ccagattagg ggaaaccagt 600
 aaggttggga atgccgccca ggattctaac aagagtgaga atctatttct act 653

<210> 43
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 43
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 aactagtaat gaccccaaaa aggtttttta taatatgaat tttatatata aatattttat 180
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 ggacaactgt ggacattgtg ctttgatatt acaacaaaac tggagaagtg gtaggttcta 480
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 ttaagatcta tttatctatc ttgcactttg aatgggatcc tttgctcatg catctttttg 600
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<210> 44
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 44
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 ctccctctc agcacctctt gtacattcag agctcctgca tgggatgccg agaactcaca 600
 cccttcagg gctgctgaag atcatatgac tgatcatcaa ctttgatttt tgacctatct 660

gtcaacaacg acac

674

<210> 45

<211> 609

<212> DNA

<213> Homo sapiens

<400> 45

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cactctgccg ctcaatcttg gacttgtttg tgcacagagg tccttgctta tgtaacactc	300
gcttttaact ataattcaca gagtcccttg aacacataaa gggaaagcca ctttcgctcc	360
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tttttttaaa aaaagaatct aagccagaat gaggttactg cctaggcaaa gaagaagaca	480
gctcatcaca ggtgagtgtg acacgttttt catatgtaca aattaagcag cctgaaacaa	540
aaggcactca aaaggtaaaa gaataccagt ccacccctct gatttgtcaa atcaaagttc	600
tgtcaactg	609

<210> 46

<211> 522

<212> DNA

<213> Homo sapiens

<400> 46

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tgagggactt gaacatagaa gggttttgga gtccacagag gtcctgaaac caatttcccc	240
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gcatgagtct cataaatata atgctcacag aaaaaagcaa gttgcagaag ggtaaatacg	360
gttgatatat aaagggtgcta aacacagaac tatttaatga tatacggatg cagtaaaagt	420
ataagaaatg tatgcaaact tacttaaatt caggggtgttg gttacttgga gtaaggcgaa	480
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<210> 47
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 47
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 ctcttatttt aaactcactt aacatcaata taaaagtgtc ctttgcagca ggacactttt 180
 aggaggtctt gagcccctct cccaccagca ctcactctgtg taaaacaag ttgttgctag 240
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 ctcacactca ccagaggcct ccatactctg taggccacac tggtgccat caagagctgg 480
 cagtctgag aaagcagaaa gcagatggtg aggtagaagg agcgagtgat atggaagggc 540
 acaaaacaga ggggaagag gccacacacc agtaggatgg tccggatgga cctggctcgg 600
 gctgtgttgc ctgtcctcat gaggttctcc tctggcttga tcaggctcct gaccatcagt 660
 gaatagcaca ccaaagtgac c 681

<210> 48
 <211> 548
 <212> DNA
 <213> Homo sapiens

<400> 48
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 tccacaggcg cagcccccg gcggtcgggc ggaggggtcc ccggggcggt gccagggcgc 180
 aatcctggag ggcggccggg aggaggaggt gcgcgcggcc atgcacaccg tggctacgtc 240
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 caacgcctcg gacggcccag tcccttcgcc gcgggcccgt gacgcctggc tcgtgccgt 360
 cttcttcgcg gcgtgatgc tgcgtggcct ggtggggaac tcgctgttca tctacgtcat 420
 ctgccgccac aagccgatgc ggaccgtgac caacttctac atcggtgagt gcgggccgct 480
 gcgccgcacc tgctgccgtc ccggggggct ccgagggccg agcggcctgg ggcgcctct 540
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<210> 49
 <211> 695
 <212> DNA
 <213> Homo sapiens

<400> 49
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 agagttttaga tgtggacagg ggaagtacaa actacagctt agtgcaagat aaaccaaggg 180
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 aaaaacatgg tatatggcat atttgaggag caaagataag ttcattgtca ctagggcaga 540
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 caagtactgc tttaagttat cctgcagtat tattg 695

<210> 50
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 50
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 cctcttgca cactactcc acatgtaaga cttctacat tttggttggt ttgttcatca 180
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 tggctctcct ctgcttgta atcacatgaa aatcaagcat gcttatagtg tccatgtaca 360
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 ttaagacatc ttcattctgc tgagcttttt ttttttttc tttttgatac caagtctcac 540

tcttgtctcc caggctagaa tgcaatggta caatctcagc tcaactg 586

<210> 51
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 51
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 gaagaagcag aattcaagct gtaactgcct gttggagaga gccaacctc ggcctctgtc 180
 ctcgaaaggc agcaccaaag tttccaagt ggaatcaaat gtgcaggag gatc 234

<210> 52
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 52
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 agacaatata cataataagt tatgtaatag cttacaaagt gacagtacct ttgggaaaaa 180
 ggaaaggat tataggataa agatgatcaa tgaacaggaa gtttgcagtt ttaaattgag 240
 tggctctgggt aaggaagatc atacctgaac caagacacaa aggagggttag ggaatgatga 300
 gccctgca 308

<210> 53
 <211> 584
 <212> DNA
 <213> Homo sapiens

<400> 53
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 cagatggaga tgatgcagat ggagatgatg cagatggaga gcagtggcca tgcagagtct 180
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ggccaaggac gattcatagg agagcacagg agtccttgct tagccccagc aattccacag	480
aacctgctgt gaactgctgg ctgctgcccg taacttttcc ctgtccctat ttccactcct	540
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<210> 54
 <211> 560
 <212> DNA
 <213> Homo sapiens

<400> 54	
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ctgtataaaa gattatgtca ccagaatctt ctttcattac tttggatagg acctaaagga	180
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tccagaatat taatttagtt ctattcattg actattcttt ggttttgctg ttgaattttt	480
aaattcagga atagtgtgtt tttctttcag attatttttt tctgtgacct aattgcatct	540
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<210> 55
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 55	
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ctgcctaaac ccactcctgt actttctttc aaggggggca aaatttgagt caggctcctc	180
cagaaactga ggcagaacaa gttgggtgag catccagctg ggaggaagag atgc	234

<210> 56
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 56	
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accatctgct ttctgcttcc tcaggactgc cagctcttga tggcagccag tgtggcctac	240
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tcaagggggg caaaaataga gtcaggctcc tccagaaact gaggcagaac aagttgggtg	360
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aagcttggga aaaacgagct ccaacaccac tagcaacaac ttgtttgtac acagatgagt	480
gctggtggga gaggggctca agacctcta aaagtgtcct gctgcaaagg acacttttat	540
attgatgtta agtgagtta aaataagagt atggagagag ccact	585

<210> 57
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 57	
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ttttgagggg acacaattta accctaatag accacaatta aaatggaatg caataataaa	180
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<210> 58
 <211> 643
 <212> DNA
 <213> Homo sapiens

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<210> 59
<211> 670
<212> DNA
<213> Homo sapiens

<400> 59
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<210> 60
<211> 662
<212> DNA
<213> Homo sapiens

<400> 60

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tgagcaggat ggtcacgtac agcctggtca gtggcatctt ccgggaccca caaaggatcc	180
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cc	662

<210> 61
 <211> 603
 <212> DNA
 <213> Homo sapiens

<400> 61	
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aaggggcaaa gtcacactca gacataaact cttggtttta gcaatccaat aaacagtcac	180
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<210> 62
 <211> 427
 <212> DNA

<213> Homo sapiens

<400> 62

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atacattcaa tttctggaaa tgaaaaaaaa aaattaaaaa tcttgaaagc aaacagagga      180
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gaactgtaaa ttcaataccc agcaataata ttcttcaggc actaaagtga catagaaaaac      360
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<210> 63

<211> 550

<212> DNA

<213> Homo sapiens

<400> 63

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cacatcaatg tttccaccaa ggtttttgct tccagtgtgg tagggcaaaa agatgtgaac      180
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caagtgtgaa actcacaatg aggatttagc ctgttagtat ggcacagatt ataaatagga      540
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<210> 64

<211> 556

<212> DNA

<213> Homo sapiens

<400> 64

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cccaggagcc atttcctgta atgggtggat gcaaagaagt aaatgatggg gtaatgccac	360
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cacaggatgg caggtggagc atacctctcg ccatgaactg cttgatgttg aggtggtagg	480
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<210> 65
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 65	
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ggccagcatc acatagccct gtggtgaatg agagctggca gggtgacagt ctgagaggaa	180
ggaaggatgg agtccgacc cctttgcttt ctgaaactcc tgctgagaga gttggctcca	240
cagccctggg agggctcggg tagctgctgt ggctgaatca gtcctctgtt atcaccgct	300
cggtgccatg aagtggaaaa gcagtctctg cctcctcgt tctccaata agccatcct	360
aatcaccctt atcatgctc ttccacacc tgagaaaaaa tggcctcgca gcagacgttt	420
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<210> 66
 <211> 549
 <212> DNA
 <213> Homo sapiens

<400> 66	
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tctgccccac cggatcatcac tggcacccat gcacacctc agggacctaa ggacaggccc	180
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cctacaaaag ccaatccaaa aacctaggag aagcaactgt cacaccaa at acacagatac	480
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<210> 67
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 67	
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caaatctatc accaccatg attaccatca tgttgagggg atgaggcagt gaagacacta	300
aagatctgct gtcttatcaa atttcaagtc aacaatacag tattattaac acagtcacca	360
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<210> 68
 <211> 605
 <212> DNA
 <213> Homo sapiens

<400> 68	
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atgtgaaaat ttattgtggt aatttagatt ttaattttt ttacataaaa ggacatagaa	180
tagcaaagga aaaacaaaac aaacaaactg aaagacgtaa caagttgaaa aatagatcac	240
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gactggccag ggtttctgtg tagagtttgg catttttatt ctctaggacc ctgcaagagt	540
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<210> 69
 <211> 669
 <212> DNA
 <213> Homo sapiens

<400> 69	
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aactactctg gaaccctgtc ttgtcaacca atgcaggaat cttagttaat gtattccata	180
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ttgtgaaaga tgcaggtaact attggatgga tctgaagagt tggcaaaatg acaggaagat	300
caggcaggct gcctgttttt aactttatga aatttttcat gttttattat ctatctactc	360
agataaaatt aggtgggaca catttttaat gcttccaata aataagaaaa atgtgcctgc	420
agcatgaaaa atcctttgac tgccttgtgt tatttgcaac agatgaatct aatttgtatt	480
cagacatcag tgctataact aactagagaa ataaaatgga tgtctatgat ctctcttcaa	540
ttatttagta aggatgaagt gtcaattggc taaaagtaat aacaccatgg ctgtacttag	600
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caccagaag	669

<210> 70
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 70	
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gtctgcttgg atttgaatgg aattgcggtg catccagatc actttgagga aatttgtatc	180
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<210> 71
 <211> 1000
 <212> DNA
 <213> Homo sapiens

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	tcctcagcta tgaattagaa	taaatttggc actagattat	ggggtattcc cacaggaaag	180
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	aacacctgct tactttggcc	ttaaggggtca tagtgacaaa	agagaaacct ttaaagaagt	300
	catagtaa	at gttaggaaa gggattttca	atgcatggat atatttggca	aggtaa
	aaagltgcct gatagcaagg	gaggaggcag gccactgtga	atagcaactt atactagtca	420
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	ttaattttat atacgcaa	at gatcctactt acattcttga	aaataatttg actctttagg	600
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	atgttattca attttaggaa	ctttatgtat gttttcat	ac tagtattaga	aaataattct
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<210> 72
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 72
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<210> 73
<211> 1000
<212> DNA
<213> Homo sapiens

<400> 73
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gctcaaaacc atccacacgc ttcacatccc atttgaaata aaatgccaac tgcttaccat	480
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<210> 74
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 74	
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<210> 75
<211> 1000
<212> DNA
<213> Homo sapiens

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<210> 76
<211> 1000
<212> DNA
<213> Homo sapiens

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<210> 77
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 77	
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 <212> DNA
 <213> Homo sapiens

<400> 78	
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<210> 79
 <211> 1000

<212> DNA
 <213> Homo sapiens

<400> 79
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<210> 80
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 <213> Homo sapiens

<400> 80
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 ccactccata tgtttcccaa attagtagct aatagcgttt tcccaggcga atgtatctag 240
 aaatacccag ggattcactg ctatacctaa gtcagcaatg gttcatcttt ctccttgctg 300
 tggaggagaa cttgaccaga ggagtcact tcccctggcc cggcagcttc ttgcatggga 360

aactagctgc tctgtctgct acttggtgga tgattttacc	420
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ggaataccat tcttttattc ttactcacta aataagctct	540
ccccctctc tgattcagct gagaaacaac tactgtctgt	600
tgctcctgt tttccacca tactttgcca ttctagacat	660
tgttacttaa ctaatgcac agtcttcatt cattctctc	720
gttcagagca tatctcattc atttctgtgt tacctttgct	780
agtagatact tcagagatgc tatttaaatac agagttagg	840
gaggactcta tgggtgtcag gtgccatgca tctgcaaag	900
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<210> 81
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 81	
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aactaagtga tggaaaatga ataactaat gtataggga	180
gtattttatt ttttctaagt aacttcaca gatatgtttg	240
gaatagaata ctcaaaactc taatatacaa gtcacaggta	300
aatgactgg ctttaggcag ataacttgtc tggttccagt	360
aaatacatca ttacctttct ataatagtcc acaactat	420
aaaaccgtct caagcccact tcagtaacaa ctgagaattt	480
aggccagcag taagtgagg ctggttctga ggctgacata	540
tgctttctct tttctgggca cttttgtcct ctggatggaa	600
agtccttctc tcatggtggc aagatggata tgccaggcaa	660
ctgcctagtga agaagttttg ggattagttc tgacttgatg	720
ccctggatat atctcttttg ctgagtgaa tggatatgtt	780
tgtgactact cctggattca gtgatggagt cagccccaag	840

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<210> 82
<211> 1000
<212> DNA
<213> Homo sapiens

<400> 82
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aattgcagaa aaattattga aaagcaaac ttgtcagga atccacgtgt tatcattgca 780
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ctttttttgc ttactgtta tttttcttta ccacatgcaa tttcttttct ggtttttgtt 900
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gagtttcttc ttacatgaat gctgtcgtcc ttcttctcc 1000

<210> 83
<211> 1000
<212> DNA
<213> Homo sapiens

<400> 83
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tgatcatctt tctctctgtc atctaaattc tagcctgtct ttgatggcta aaagcctaac	180
atctctgtgg gcctcagaga aattatcttc ctctgcattc ctccagttgg catctctcac	240
taatggatta atcatattac cctctcctat tgttatgtgc ttttatgcat ataactcttag	300
ccccccata ggaccaactg taatcccttt gaggacaggg gtttgatctt gtacctatctt	360
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cactgatgaa gtatgaagaa taacgttccc attcattcca gagtactcag gccctttgcc	780
tgggactgct agctacacat gcaaagtga tctatatca gcattttgta aagcccacta	840
ttctcacctg accagcttaa ctgcaaccag ttatttaata ggattctaatt taatttaatt	900
ctccactggg agcaatttct gatgcacaat gtctgtgctt ttacctctt tgcacctctt	960
ccccagcact taactcagca ggttgcatac agcaggaacc	1000

<210> 84
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 84	
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aaaccagatg taggtgagac tcaaggatg tttattctga gagaaattgc tctccatctg	120
tgattctgtg aatcaaatag gtaaagagct tccaaaatgc aatgggtggga cagacataga	180
atcgacattc ccattccaaa agggagaagt aggaaggaat actacaacaa caacaaagta	240
aacgataaat cttaaggctc cagaataatc tccttttgat gcccctctt ccaatcttcc	300
aggcacactt gggcaggcgt tgggccccca aggctctggg tgtcccagtc ccagcccaca	360
tgacagcact tacatattag agccacatgc caggctggaa atgccctcta gtggctctac	420
tggctctatg tcagagggta ggctgtctc tatgactctg ccaagcacag ccttagtgga	480
ggctttttgt ggtggccccca ccctatgtc aattctttgc ctgagcctca agactttcca	540
gggcacacct tgaaatctgt gtggagtcag ctttccctct atgggtattgc actgtgtgtc	600

ctggtggaga tgatacctag agaacattac caacgtttat catctgtgcc ctccagaaag	660
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cagtgtgtg tcagaaagca gggagcagag atgaggtagc atagggcagg aagtgtgag	780
ctccagtggg catcctgggc ccctcttttg acctgttct gtcccctagg ccttggcacg	840
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ttcctccatt gccttgatga aaagcacctg gcttctgcag ttccatgtta atctgatcaa	960
atggttgctg ggccacatcc ttggtattct ctcccaaaca	1000

<210> 85
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 85	
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cagccttttt gctatgtata taattttaca gagtgtaat cataccagat atatgatttt	180
atcatgtttt ccacttacc attataggta tttttaatat tgctacatag tcttcattgt	240
lyicallgii aaagctatg ctgtaatagt tcaactgaatt gaagtgcctt atttacttag	300
ctaccctatt atctttaaac aatttctaatt ttctttttat aataaacatg gacatatttc	360
tgacaggggt gttctttttc acatcttgac ctacttttca catagtgtta caattacctg	420
accaaagaat acaaactttt tgtctcttga cgtatatttc caaaagattt ttaaaagggtg	480
cattaattta ctctgcagct ggtgtaaag aagaccattt tgtcattgtt ttcttgagag	540
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ttctgtaaag aactccagtt ctcaactgga cactgggtttt atttttctct gtttcttgca	660
gactgagcaa ttgataactc tgtgggtcct ctttggtttt accattgttg gaaactccgt	720
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ttaacacata tgaatgcctc taagatttca ttataaaagt	1000

<210> 86
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 86
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 aagttggtgg gaaatgggta cagagattct tttggcgatg atgaagacgt tgtaacagct 120
 tttgaatttt acaatccaga attctattct ctgctaatta gtcaaataaa gggcagaaaa 180
 tatacatttt aaaacacaaa gatgcagaca ttacattcca catacaagag gatgtacccc 240
 agcaaaacaa ggtgataaac caagaaagag aaagaatggg atccaggaac aacagcttca 300
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 gcatgtagtc ctcatTgaag cagaaagaca gagggTctg agacagaggT ctccaggaaa 420
 aaaaaaaga acctgactta ctggataaac aagtctttag tttaaaaaac aacaaaaaac 480
 tgtatacaca tatatatata aaatcaggta gtataaagaa aaacagaact ccagagattc 540
 ctgggtcaca gaaggggaaa gggctgttca agaaagtga attgaactaa ctgaaaatac 600
 agctatcttt atattggaag gacagtcagg aagtcaacag ataaggccta aactgcataa 660
 agcaggaaac agcagactaa agacattatt aagaaatatg gaacacaacc aaaagaaata 720
 gcaaaaacaa tgaaaagtga ctgtttttca taagtgaggc aggggaagag aaggggttat 780
 ttttttccc attatatgtc tttagaact acttgctaaa aatattgggc acatatgaat 840
 ttgataaaag cgaaaaactt tttacttcac aagtgcagct ttaacatacg ttgattacag 900
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 gcctgcagta gaatcagaag atttactg aagggattat 1000

<210> 87
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 87
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 aaaatctgtg acttctagga atacatttag aaaaacatat accagagggg ttaattgcag 300

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gtgtgcacca gtatcccaa attataatat ttactaaaaa aagcaaatg ctgaatgatt	480
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aaaacattat gagatccaga gtgccccaaa aaaacctgcc cccatatttt aaatcaacca	660
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ttgttaaaaa aacatttccg attccttaac atacctaaaa atataataaa ttattctctc	780
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<210> 88
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 88	
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attggagaac atgcacacca ccccatgggc accgtgcaac accacccacc acccatggaa	180
gtggtgacaa cagtggggag gggaagcctg tcaagcagat gtcaccaggt gcttcaagca	240
gtgttgtagg tccctgctta taggtgccag gccaaactcac ccaccttctc tcgactcttg	300
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aggagagaaa ggaaaaaaat gagtctcata ttaacataca ataaaacctt attaactgat	960
aactccataa attatgagtg gcaatcagat agataattca	1000

<210> 89
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 89	
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tgatgttaag ccagtgctg ggcacgaatg cgatttagtg agtgtttctt gaacatgaat	180
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<210> 90
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 90	
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<210> 91
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 91	
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<210> 92
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 92	
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accaagacac catactgtgg ggtatcacat tctgagccct aacacttcca atattatgct	180
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<210> 93
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<400> 93
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 aaggagacta gacagaggat tagaggcagc catggggctg gtgcagctgt ggagagctct 780
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<210> 94
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 94
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 tcagggttca gcaggctgta caggaagcat ggccctggca tctgcttggc ttccggtgag 180
 gccccaggaa gttccaatc atggcagaag gtaaaccgga accagcatgt tacatggcaa 240

gagggaaagc aagagatggg ggaaggtacc aggccctttt aaacaatcac atctcacatg 300
aactcttttc tttctttctt tttttttttt tttttttgaa atggagtctt gctctgtcac 360
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<210> 95
<211> 662
<212> DNA
<213> Homo sapiens

<400> 95
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tcacgatctc gtccttattt taccacgtgc tagaatttgg tgaccaaagt accagaacat 180
tagttttagt aatagtaatt tttaaactaa attttagcaa cagaacatta aaaaaaatt 240
atctggcagc tgaatacaaa acgcaacaac aaaaaccaa acacaaatgg agctactcta 300
gttagagtca gagaggcaga tctctgaacc atgcctgcct gcacacaact caaaaaacta 360
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gaacatttgg tattgagggg ggaggcaaca gagtctccag ctgtagtttt gttttgaacg 540
aatctggaaa ataaactgaa aaacaattta aaacaaaaag actttttaa atgtaaatgta 600
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<210> 96
<211> 644
<212> DNA
<213> Homo sapiens

<400> 96
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caatttgttt tccaaataga aattcagaac ttccaatta ctactgttt tagtcaagtt 360
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gcagagcctc ccaaggggtct aagtgccttc aaagtaaaga caactcctaa gaaagacagt	540
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<210> 97
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 97	
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tatcatcctt tctccccact ggatattagg aacaatatca caggaggtct ggacaccccc	180
tgcgatattg ggagtaacat cattttcttt tcccagtga tattaggaac aatattgcat	240
tggggtgtac accccttcg acattaggag taatatcatc ctctcccaca gtggatatta	300
ggaacaatat ctgagaagga gtgtagaacc cctgcggtat taggagtaat atcatcctct	360
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agtaatataa tcctctcccc atctgaatat taggaacaat atcagggggg tggggtacac	480
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<210> 98
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 98	
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gatctgtctg atgtaggagt ggaaagtggg tggttctttt cttccccatc ataaaggctc	180
acagctgata cccctataaa gaaagactgg ttaacaagag aaaagcacia caaatattatg	240
aatgtgaata agtatgagag ccatacaaaa atatgaaaat tcaaagaaat ggtagacga	300
ttgatgctta actaccttct tcattaggga gaggaaagt ggggcgggag tgggggagtg	360
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acactgaatg gagcggaatg gaaaggacaa acaataggaa tgtgaggggt ggaactgcat	480
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<210> 99
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 99	
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aaaccccata ctgagccagt agacaggact atggttggac attggagaga agcagcttga	180
tggttaaca ccgaagaaaa atccagccag agacggccag aacttccggg gagggttacg	240
ctaccgacct tgtctccttc tcagctcccc ttctgcca gagccacgtt tcattcacia	300
taaaatcccc cacatccacc acccttcaat ttattcgtgc aacctcattt ttctggctg	360
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cccttgctgg cgaggggcag ccgcctcaca cagaggcaga gggcccactg aactgttaac	480
acttaagcca tctgcagatg gcagagcaaa aacagcactg gaacatgcc tctggggctt	540
c	541

<210> 100
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 100	
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aggtaactgg agtaattgcc aaatgcagat aaatcctccc cctgagtagg aagccccaca	120
ctgttttgaa aacaattcct agactttgcc cctgttgaag ctgattgaat gctcaaccac	180
aagactccac tgttgtagc tctcgcttac tgcttttagg ggcggagtta acacttttca	240
aaaatccgag cttccctaataaatacaggg atttagtgaa gatattgatt gtctgggggt	300
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gctatgttga taagagatcc ctgggagctg gtaatatatt atcttctgta atttcttcca	420
aaaatagact taatggaaag aggatgcata atatacccc tctcaaagga agcgttcccc	480
aatacaacag aagcagtcattctaaaaaca gctttatggc tctgcagtca ataactctat	540
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cacattcacg 610

<210> 101
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 101
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 ccagggtttg aactcaagta gcctaactat agaaccata tttttaatca ctatacagta 180
 ttttactatc tgttccatca aaagaaatca tttttcagag tggagatgat agaacataca 240
 tgagaacaag agtatttaaa tccaagatac ctgcaaagca tctagacact ctagatttag 300
 acttttagct ccttggccaa gattaattac ctttcaggaa aataaaaacta cataccaatg 360
 agatcactag acctctcgca atgatctatg aagaataatg ggaacagcta tctgggtatc 420
 taatgggcta gagtcagata aatggtttct caatagattt ccagaataat ggggaaattt 480
 ggttttgcat taacaatagg ctacgtatgt tatattcatt ctag 524

<210> 102
 <211> 677
 <212> DNA
 <213> Homo sapiens

<400> 102
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 tactaccatg aatgcaaatg tacttccatg acccatcttc ctttacgaat aaagttacaa 120
 tataagaaat accactacac atatctgagt ttatctttta actgtctttt agagcccatt 180
 ctcttctgcc ttctagaac ctctactatg gattatccct ttaccatagc attgtcattc 240
 tcttcctttt aatgcatttg tttcccactg atttttaaac atgattgagt cattttcatt 300
 agagactaaa taaacatcct cattacatgg ttcactagga ccaactccctc ttcagttgtg 360
 tggagaacta agcttttaga aagagacgtc caaactcagt atctctatct ctgcatgcca 420
 cacaaatcca gtttgatttt catcctcatc agtctactaa aagatgtcac taaggacacc 480
 aatgaattcc aaaaaagccc ctgaaatcca atggaaattt gacatttttg accactttct 540
 ctttcttcaa acattcttcc cttagttttc caagatagtt ttcttcttct ctttctactc 600
 actctatctt gatcttcttt gaaaattcat ccacctctac ccagtcataa aatgttaaga 660

gttgaggggg gcagtcc 677

<210> 103
<211> 428
<212> DNA
<213> Homo sapiens

<400> 103
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tgaagcacag acatgacagt tgagcatgta agagatccat tgggtgctac ttgagaaagc 120
agttggactg cattctggtt ctctctgaag ttgctttta ggcaagtacc agatggattg 180
tattttagaa aagatttgct tggaaacattt cctgatgtca ttatccagag acaatgagac 240
aactcatttg cttatgaggt ttttactaca gcaatctaga gatggaattt ccaatggaaa 300
taaaaaaggg tttttataat ttctatattg aactggcag ctccgccttt taaaaaatta 360
gttcctttta atgaatgtat ttggggagta gattatagtg tatttagtaa attggcactg 420
tgtttaga 428

<210> 104
<211> 657
<212> DNA
<213> Homo sapiens

<400> 104
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gataatgcca taaataacag ggaggtagtg catcttgagt gggatgtttt catcagtgca 120
atttccaaaa gcagctgcat aatcggggaa atcagaagca ttgctaaat agtctagtgg 180
ctcatcctatg gttgtctcct ttcatcttgc aagaaaacaa gagagttcag tttggcaata 240
tgaatcaaat gagcagtaac tcgctgataa aggaaaacag aaaacattaa tgatagggta 300
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taaaatgagg gattgggaga aaaaagccac atgtcgcttt ggaaaacaat ttggcaagggt 540
caccatttgg agaagccata gggtatcgcc attagagact taacaacagg acctactatt 600
aaccaagtgt gatgcatgcc accatcactt acttctacat gtcacaaaat actgaaa 657

<210> 105
<211> 533

<212> DNA
 <213> Homo sapiens

<400> 105
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 aaatggaggc caaaaatgag aactaagaga tttgtgagaa tattcaagca aggcaaggag 120
 aaaataagag aaggaaagta aaatatagcc acaagcaaaa gtggtaacaa atgcttgat 180
 atgaagtcct atttaccagt gataagccac atggatagtt agttatgagc ttttttgtaa 240
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 caagtaattg gagagaagca caactatttg tggaactaag ataaaaatga attgcctcta 360
 gtcagttttt gaagagccac ttgtccaggg tctcacagct gctcggccag aatttgaacc 420
 ccaaccacat agttccagag cccacattct cagacatagc cccaatact gcctctgggc 480
 tggagctggt attctcaata actgtttggt gagtggatag gtgaatcacc att 533

<210> 106
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 106
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 tcacagtggg aaggattatt actcgatcat ctgtataagc atggcccaag gagcctttgc 180
 caacctactg gggatgtcac atgtaaaaag gtttctccaa aaggttggca atatgattta 240
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 agtggaatgg ccagtctcat aacactcatg tattatagaa ttaaataata acctgtttca 540
 gaaagtacaa tattaagacc ctttttaaata ctgatattc tttgatgata tctct 595

<210> 107
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 107
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cacattcagt cttaggcaac cctctctgtg atggcatgcc tcaaagcagt ggtttgaatt	120
aggggcaacc ttcaaccctg agggacactt ggcaacatct tgaaatattt caatggtctt	180
aagtgagaaa gtgctattgg catctggtag attcaagcca gggatgatgc caaagatttg	240
acaaaacaca gaacaggcca tacaacagag aattatctgg tccaaaatgt caatggtgcc	300
atggttgaca aaacctgaga taagcttagg gaaggatcca gcacagagca gaatgtattc	360
tctctgtaaa gaagccaatc ccaaagagaa agaagttgag taatgctgcg tatatcttact	420
cactttctct ttccaaattt cttagtttga taattcactc gacttgcctt ggtaaggaat	480
gagggaggaa gcaaaaaaga ccaagcttgt gttacactaa ttactgtccc tcaacagaaa	540
aacgtgaggt gaggggtaag aaagtcccc cattctcaca tctatatcca atacat	596

<210> 108
 <211> 603
 <212> DNA
 <213> Homo sapiens

<400> 108	
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aaatttctat ctatcttgac cttactttac ctaaagtatt atcactctcc taattgtttc	240
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caaacacgga tgtggccatc cttctttctt acaaatgacc tcatagtccc aaagacaaaag	360
tctatactct ccctaaataa cattcaaggc cctcactcac gcagctccct gattcccacg	420
tcagtatttt tgcctcctc cccttcccaa agcacactct cacatacgcg ttattctacc	480
tggagtcata ttaagctact ttcaattctg ggctttctct tagccttcaa ccctctctta	540
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ctt	603

<210> 109
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 109	
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gcacactgct acttcgctgc tcatttcac cccccagcc agccactgtg gggcaagcca	180
gtgttccttg cttgtcagag atgctgtact ttgcatacaa tggatgaagag agtgaacagc	240
aggggtgaat taaacagtca accacaacct gaagccactt tccctgctaa gtggacctca	300
actcaatggg ctcatcttga aagatgtggc cttaaattctt gcttggaatg gtaattcctc	360
tctaatagac tctgctgttc tcttgccagt caagaggact gaaggggatt gaaggtctga	420
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<210> 110
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 110	
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ttctagggtga tcaactcagca tagcttaccg atcagactca agtgaatgga acctgccctc	120
ttcccttttc tcctggcttt ggaacagttg ctaccaggtg agtgggtttt ccctccagac	180
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gacaaccctg cctgacacca ggcttagtgt ggctccatga taacaaagac gcaggtccag	360
agacaatccc cctacatggg gcctgcatct gattccccct gg	402

<210> 111
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 111	
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accattgccc cctgagcctg ggctttcctg aggcttgggt aagagaaaga gagatgagaa	120
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caagcataga aggggcactt ggggtaggag ctgcagtggc accacccgag aggccagctt	420
tacctcccc aaagatccac tgcccagaag ggaagaccag gggcctccct ggtgccaaagg	480
gcttgagagt atgcatccaa tgcagctagg tcctccacac actgtgggtgg ggccccctcac	540
cctcagatca gcatcttact ctca	564

<210> 112
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 112	
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atctgtcctg acaaaacatg tctcaatttc tttctaaagc agctctattg tcctagcata	180
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agttacatgt gtccccgtac acaaacgaca ctcatTTTtac gtaggtcact ggacctcaaa	360
ctgttggtgc ttgctgtccc agccaattca agagtgaagg aagatgtaac cagacataca	420
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<210> 113
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 113	
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tagctcctat ccccaaaactt acaaaaacaaa gagttttaca gaatgagtca aatataattt	120
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catgtgccac ctaactatgt ttcagtcagt gagggacat a	461

<210> 114

<211> 444
 <212> DNA
 <213> Homo sapiens

<400> 114
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 gtttgcaccc ttgcatctgt gtgt 444

<210> 115
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 115
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 ccaagactcc acaaaggcat aggggctttg tgggagaatg gcagtcctcc tggagaagtg 180
 gcagataaaa aggtaaagat ctgtgagcaa cgcatctttg agttcaggaa ttgacaatag 240
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 gagattttta tctccttaat agaaagtgtt ttgtattgat tgaatgatta acctttatta 360
 agaattttgt tgtctcaggc actggattag tagctttaca catttcattt aaatctcaca 420
 ttttgatagc ttctactatg gttattattt tacagaagaa actgaagtta aga 473

<210> 116
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 116
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 ggcgttaata aatgcttatt aagttgacga ctatgccaga aaaagggtga gggattacac 120
 aaagttttta caaatctca cggtaactct tcagaagcaa aaataaaata ataacattta 180

ataaaagtgc ctgctcaagg cctgcagccc aattccagggt ttgctccaaa tgttgatggc 240
 cttgagcttt cttgtgtgaa a 261

<210> 117
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 117
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 atggggttgca ggagcaccat gaggttcac tcattcttgc cttcctctgc cagcatgtgt 120
 gccatctgca atgtctcact gagcactgag tggggcctgc tatgtgggca gtatccctgc 180
 catcttcata tca 193

<210> 118
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 118
 atctcattgg tatgtagttt tattttcctg aaaggaatt aatcttggcc aaggagctaa 60
 aagtctaaat ctagagtgtc tagatgcttt gcaggatatc tggattttaa tactcttggt 120
 ctcattgatg tcttatcatc tccactctga aaaatgattt cttttgatgg aacagatagg 180
 aaaatactgt atagtatta aaaatatggg ttctatagtt aggctacttg agttcaaacc 240
 ctggctctga cgctttctaa ctgtgtgact gtggacacga tatacaacct ctattaattt 300
 caatattacc atttgtgaga aaaggaatga taacaatac catatcatgg tgggttcttt 360
 tttt 364

<210> 119
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 119
 agagatcttt aaaatactca aagaaaattg tcacctagaa ttgataact cttgaaaata 60
 tcttgcaaaa atgaaggcta aataaatgat tttttgacaa agaaaagctg aaaaaattta 120
 ttgtgagcag acctgtacta caagaaagg taaaagaagt tatttaggta gaaagaaaat 180
 gatatcaa at aagcagatct acacaaagga atgaagatct tcagaaatcg taaaattgtg 240
 ggtaaatcta aaagccattt taaaaattt gagtcatctt aagattattg tctatagcaa 300

agaaaaatgc tagcaatttg ttatgaggtt taaaatatgc agaagcagaa gtaaatacata 360
 taatgatagc aacatgacaa ctgggggaaa atgaaagtcc actgaagaaa tgcttaataa 420
 atgtt 425

<210> 120
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 120
 actttccttt ccaggcattt cttgatgtgg aagagattta ctgagtctga tacctttaaa 60
 ggtctgacaa gagacatttg ctgcctatgc cttctgttct cttggaggag tgctaccaat 120
 aaggcttcgt caacataaca aggccacctt agctagacag gcctcttcct ttcttcctct 180
 cataacctgt cttgccacta aacctgaatt accagcacia cctctttggg gccatgctct 240
 gagccacat tctttctata acctcaagta ggtatataag cttctgcgcc ttattgtctt 300
 cattctgaag gctcttatgt acatgcatta aacaaatttg tatctcctat taatgtgcct 360
 tttgcgagtt gatttttcag tgaaacttca gaggtccaac ggcagtagcc cctaccaagt 420
 tcaagatgct ccacttac 438

<210> 121
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 121
 gtgatgtaag actggtggac ttaaattaat tttttaagg catcatggga tttgtatcg 60
 gctatctctg tatctagaag atgtcagact catggaagtt ttgtccattt tattcccttt 120
 gcttatccat tctttcttgt ttacagaaag acttaatttt ctgtctcata tctctgtcct 180
 tcttgcccca ctatttttcc cccttctcca aaaatcccag ccccaaaaac agtctacata 240
 ttgtgaaaaa gattttctca accacaaggg tgatgtaact ttaggcctgt gttttctctc 300
 tcacacacac aaaatatttg atatgagtga gattttaaaa aattggtttt taaatgtgat 360
 gaaaagagtg tccttttcac cagaacaaaa caacccttaa tgctgaagcc tccttcccga 420
 tatgggtggc ttccaaatat gaagaaatct gtgcattggg ccacaggctc cagacaaagt 480
 ct 482

<210> 122
 <211> 568

<212> DNA
<213> Homo sapiens

<400> 122
ccttggcagc tccaacttga acatgtaaag ggtgtattca acagacaagt gagagaagga 60
acctcacaca gcctgagtgg gcctgagata ggctgagggg cctaagcttc aattgcataa 120
gcagggctag gtcactccag ttaccaaaga cagaaacaga tagtccagag ccgtccaggg 180
gatgctagcc actgcccagg agatgatcag agaacacaca acagaaatca gaaaatgtag 240
tacaagaaga atttgctgat aggtgcaatc gcctcagcaa ggcacaggaa actcaactca 300
gaaggcagtc tgtctgtcat ccaccaattc tctgggtcaa gtctgatgtg cactcataaa 360
gtaaaaatgc actgttattg tgactgagaa aaaaaataaa gctaaaaggt aagtgcttat 420
aaaataagat ttactaatg caaacaaaag ccctaaagaa gtgtggtttg agcccagtgt 480
cctcctctat tagcaccaac aatggatagg tgggtgagtc tgtcaaatg cctctggggt 540
tacagaaatg aaagcttggt ctgtgccc 568

<210> 123
<211> 413
<212> DNA
<213> Homo sapiens

<400> 123
cattttttac cacatatact ataagaatta gtattathtt tgattaaaat aaatgttatt 60
ttcagaggtg caattttttg ctttcagtaa gatttctaata ttaaggaagt cattttaag 120
gctaaattta aatgagaaaa agagcttggt gcacttggtg atccagttgg atccagtttt 180
ctctgctggt ccattttttg tatccctttt gagtttgcat tcctttttta catttttttg 240
tatagcagat ttttattttt tggtagattt gtgcacataa acttcttggt gtggaggaga 300
ggttaaattt taatagctaa tgggacaaaag gtatataggg atatataggt acaaccctag 360
ctcttattct ttcttttcct ccatagtatt ctggtgatgt agggataaaa ttt 413

<210> 124
<211> 525
<212> DNA
<213> Homo sapiens

<400> 124
ccaagcaaag ttatatttgt attttathtt acatttatht tggttatatt cttttatcta 60
cttaggtttc ttctctactt ccctttttta ttgaagagtt taatgcatgt atctgtgtgt 120
ttgcttgaaa aaaaacacca agtataacat gttctatcta tgaatacttc tggccattaa 180

ctcaaaaggt actatattac agacagaaaa gcaccagaaa gcaatcaggg acttcatcta	240
agaggttagga cagcatagtt ggtaaaaata cagaccctgg aggcaaactg cctgggcttg	300
aatcccagct ttattacttt gggaaaacta cttatcttct ttacttgttt tggtatccat	360
gtctgtgaaa tggaagtaat aataatcctc tcatagcatt gttgtgaggt ttcaatagat	420
gaagtgaaga ctttagaagg gcacatgata agaattatat aagggttacc tattattgct	480
atccaatttg tcatagcaag ctaagggacc ttgggcaagt tactc	525

<210> 125
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 125	
actggtagaa tgggctcatt caagcatgta acgcccttaa atttttcatt taaattttct	60
gtgccttaga aatgaacttt acagtaatct ttgctttcta aaaataaatg tgtttcttgt	120
taagcattta gtctcatcac aaattctggt ttagaaaaaa acaacagaaa atagtgaatg	180
agaagggtag gagacttagg actcagcgaa ttctatctca gtgccaagac tttaaaactg	240
ggaataaatg ctacttctcc atgacctggg tctgataatt tgtctgcagg aacactgttt	300
ctagaggggtg gtgtggtaca gtgggaggaa tggactttgg agtgagatcc atgttcaa	360
cccaagtcac ttaccttctc tgatcctcag tttcctcatc tgtaaaatga ccataatcaa	420
caccatctcg aagatttggtg gtgacaacac agcatttact tctgctgta tacttcccat	480
ttcctcttgt agagacagaa ttttccactt tattttaatc tataattatg taatcccat	540
taaaaatcac ccttcgactt tcagttccac aaggc	575

<210> 126
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 126	
attgctctct tctagatttt ctaatgttgg tcggtgccct tcgtaagttg tgtacaaagc	60
tggatccagt actccaaggg tgatctgacc tcacagagca cagtgcctgg ggagtgccct	120
taatctggac ttggaattcc atcatacaga ggccaagtct ctgaccatga tgttctctct	180
gtgtaactgg ggctgctgaa acccaagtat tgtcagccag tgccggtctc cagccatgct	240
tgtgtctttt aagaagtgac agtaactgct atttgtggag atggctattc atagggactc	300

cttttctttg cctgacagag gcccagtgtt ctaagctcta agaggggctc tgatgccagc	360
atgtgagtca cactcacttg ctactgttct tttccagagt tttgggccac ttgttgctgc	420
acatcactac ctctctccc cctgcccagc ttgcattgtc gcccttcccc atctaccatg	480
ctgtccttga acataaggcg cttctctgca ttccatgtgt ctactttgta gttatgtgct	540
gcattttgaa agagctgaat ctatgtccag gttcaagaaa gaatgctgat caactgttgg	600
caatagatgg gtttaataata tcttatgatt ggttcttg	638

<210> 127
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 127	
tagtctagac tctttttccc cttttaaggt cagctgatta accttaattc catctaatac	60
cttgatttcc ctttgccatg tatgtcctgg ggatgaggat gtggatggat ctaggggggc	120
cggatattctg gctaccatag ctatcttgct ctttttgttt ataattatga tatgttccaa	180
aaaggagtaa aacgtaatac aagaagataa aaatacattt accattaagt aagaaaaaag	240
acaagggaga agagaataag aaaatgagtc aggagtggga tttatacaaa aaattagtga	300
gtccacttta cttcctggaa gtggatggtg agcttttctt gccagccttc ttgaagaggg	360
aagcactgtc agttatgttg tagtgtgtcg atctagtaaa atccaactgg ttgttcagat	420
acctagatga atattcttga taggaagatg aaaaaaaaaat ttcttccaaa gtcttcatgg	480
atacataaag tgtataatga gcaaaacctt tgacatgttt acagtaaacc caatggtgtg	540
ttcacctgg cttttctctt ctttcgttta ctg	573

<210> 128
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 128	
catctattcg acgaccttga gttaccgctg agacatttct gaggcacaac actaagaaaa	60
cgcattgtaat tgtcaagcgt ggcagggcag tattgtcttc aaagtcccgt ctgactgaca	120
gggcagaggt tcttcctcac tgcccgaatc tgcttcccga cagctccagg gttccctcag	180
gaagccgccc tccaccttca cctcaggcat gtccctgcaga gccctctgga gaaccagctt	240
caggttctgc ctattttgac gctgcctaaa ggagcccacg aagaagtaaa tgacgggggt	300
ggcactaccg tttagaggag acaggaaaaat ggaaactaga tggacatgac agaaaatgac	360

ttccaaatcc aggtgtatcc cagtagacag agcccaccga atgccgaagg gcaggctgcg 420
gagtaggaag actagcactg tgagcaggat cgtcacgtac a 461

<210> 129
<211> 655
<212> DNA
<213> Homo sapiens

<400> 129
tcactggaga agcctagtca cctgggcaga atatcttgaa cctaggataa gttcatccat 60
ggtagacca ctctgtgatg gagttatgag atggggaagg agggctctggc accatgcaac 120
aggatttccc ccaaagctca gcactccaag gagcacatca gcatcaggaa tgtctgctgg 180
aagccagcgg ctgtggagga ggggcagtag cactgagcc taggttcaga gcttcaatcc 240
ccttcagtcc tcttgactgg caagagaaca gcagagtcta ttagagagga attaccattc 300
caagcaagaa tttaggccac atctttcaga atgagacat tgagttgagg tccacttagc 360
agggaaagtg gcttcagggt gtggttgact gttaattac accctgctgt tcaactctctt 420
caccattgta tgcaaagtac agcatctctg acaagcaagg aactctggct tgccccacag 480
tggtctggctg gggttgatga aatgagcaac gaagtagcag tgtgccagc ccaagcagag 540
actacctcta gcaggggcat gacattcccc aagagagggc atctccttta gcctggacct 600
tgagagcaaaa gcaacccatg gatcagacca atagacaaca tgcagccctc atcta 655

<210> 130
<211> 657
<212> DNA
<213> Homo sapiens

<400> 130
aagagttaga gcaggatttt accttgtttt acaaaaaaga aaagtttatt ttgaaaaaaaa 60
ttccaacctt gcctcctccg aactatagtg aaaagataat ttccacatc cctttgttca 120
ggaaatgagg acacagtggg gtcattgggt tttgattgtc cacttggaag aggttaaaac 180
ctgtcctaca gtcattgatga cttcagttcc atttaagtgg ggtcctgtct ctctcactct 240
ccaccgactg tacctttact ataacatggc cttatataga tagctttgag taagtgtgtg 300
ttaaatgact gcccaagtga atggaaaatt gagaagggcc tccagcactg gagtatggaa 360
aggagcactg ggttcattga ctctttggat ttctcccttg ctacgtaagt ccgttcctta 420
aaggacatgg atcttgacag tgttggaatc ttcagaaata attgcaatac cagaagttat 480

ttaagatttt accattttca aagtatttgt acgtaacact ttcatatgtt tttgtttcct	540
agctacctca gtttccctgt tggcttgagc agattagtgt aaagagggtg tgacatcagg	600
ggaaacaggt ttactcagcc atcttcatta ccatattatc actgacttga ggctcct	657

<210> 131
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 131	
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agtctcgaaa gttttgcaca ctcttcacc tcttggaaact tcaactgtgcc attcagggtg	120
actactgctg tctggctcca ctcgaggga gccaggtaac ctgtgttagg ccgcgctttt	180
cctggcggcc ttgtaaatct gttagtacat gaaaagcatg acgcacatgg ggattaggat	240
gccaatgagg tggagtaaact cgtgtagcca aagtcttgac tgaccaagca caccttatca	300
tcgtttacat tctgagcccg accaaaaatg gtaggtaaag tgacaaaggc ggaaagaagg	360
cagacagaaa gaatcatctt cgtcatgcat ttcccccttct gcctcatagg gtacgtgaga	420
ggcttcatga tcccaaggta cctgtcgatg ctgatcacgt acaagggtcaa gatccaggcc	480
gtgcagcaca tgacattcac ggagaagacg ttacagaaaa agtgtccaaa gatccacttg	540
ccccgatga ggtcgggtgac actgat	566

<210> 132
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 132	
agtgttacag ctgggcagcc agagagacag catgtagtcc tcattgaagc agaaagacag	60
agggttctga gacagaggtc tccaggaaaa aaaaaaagaa cctgacttac tggataaaca	120
agtccttagt ttaaaaaaca acaaaaaact gtatacacat atatataaa aatcaggtag	180
tataaagaaa aacagaactc cagagattcc tgggtcacag aaggggaaag ggctgttcaa	240
gaaagtgaaa ttgaactaac tgaaaataca gctatcttta tattggaagg acagtcagga	300
agtcaacaga taaggcctaa actgcataaa gcaggaaaca gcagactaaa gacattatta	360
agaaatatgg aacacaacca aaagaaatag caaaaacaat gaaaagtgcac tgtttttcat	420
aagtgaggca ggggaagaga aggggttatt tttttcccca ttatatgtct ttaagaacta	480
cttgctaaaa atattgggca catatgaatt tgataaaagc gaaaaacttt ttacttcaca	540

agtcgagctt taacatacgt tgattacagt gaagt 575

<210> 133

<211> 651

<212> DNA

<213> Homo sapiens

<400> 133

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tcaggtctcc ccaagattat ccctcggttc tgtgattcat aggacttagc atatagttgt 120
attcacagct atgacttatt aacagaggga taccgaagca taatcagcaa aaggaaaaga 180
tgcattgagga aaagtctgaa gaaaccaggg acagcttcca agattctttt ccagtgaaa 240
ttacacagga tatgcttaat tctttcagca aggaattgtg acaagacatg tgaaacacta 300
cctgccaggg aagttcctta gtgactcagt gcccatgggt attattgggg actggtcacg 360
tatgccctct ttgcctcata cttagagaat tccagttcca gaaggaaagc aggtattcag 420
tataagccat attatttgca tagaccagtt taggatcaag gaattgtagg aagcttttca 480
aaatctaaga ccccaaatac cagccaagag ccagccttgc aagcaggaca ttttaagagt 540
agcagtcttg ggtctgctgt attaatctt tctgcacag aaatgatagt atgacatcta 600
agttattatt atcaaggagc cgagaaatgc atgtttttta ggctagggaa g 651

<210> 134

<211> 966

<212> DNA

<213> Homo sapiens

<400> 134

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agcacagtgc acacggccta cctggtgctg agtccctgg ccatgttcac ctgcctgtgc 120
gggatggcag gcaacagcat ggtgatctgg ctgctgggct ttcgaatgca caggaacccc 180
ttctgcatct atatcctcaa cctggcggca gccgacctcc tcttctctt cagcatggct 240
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atgaagagac tgatgtactt tgctacaca gtgggcctga gcctgctgac ggccatcagc 360
accagcgct gtctctctgt cctcttcctt atctggttca agtgtcaccg gcccaggcac 420
ctgtcagcct ggggtgtgtg cctgctgtgg acactctgtc tctgatgaa cgggttgacc 480
tcttcttct gcagcaagtt cttgaaattc aatgaagatc ggtgcttcag ggtggacatg 540

gtccaggccg ccctcatcat gggggtctta accccagtga tgactctgtc cagcctgacc 600
ctctttgtct ggggtgcggag gagctcccag cagtggcggc ggcagcccac acggctgttc 660
gtggtgggtcc tggcctctgt cctggtgttc ctcatctgtt ccctgcctct gagcatctac 720
tggtttgtgc tctactgggt gagcctgccg cccgagatgc aggtcctgtg cttcagcttg 780
tcacgcctct cctcgtccgt aagcagcagc gccaaacccg tcatctactt cctgggtgggc 840
agccggagga gccacaggct gccacaccagg tccctgggga ctgtgctcca acaggcgctt 900
cgcgaggagc ccgagctgga aggtggggag acgcccaccg tgggcaccaa tgagatgggg 960
gcttga 966

<210> 135
<211> 198
<212> PRT
<213> Homo sapiens

<400> 135

Lys Lys Gln Val Ser Leu Thr Glu Gln Glu Thr Ile Leu His Phe Phe
1 5 10 15
Lys Trp Gly Lys Thr Glu Gln Leu His Glu Lys Tyr Asn Ser Leu Tyr
20 25 30
Ile Lys Leu Ile Gly His Glu Leu Ala Leu Gln Val Glu His Asn Asn
35 40 45
Ser Arg Ser Lys Ser Arg Leu Pro Ser Lys Ser Cys Ser Ile Arg Arg
50 55 60
Phe Phe Ile Gln Asp Ala Lys Ile Ile Lys His Asn Asn Cys Ile Glu
65 70 75 80
Leu Asn Glu Asn Arg Gln Cys Phe Ile Ile Glu Lys Phe Ser Asp His
85 90 95
His Ala Lys Ile Phe Leu Ile Phe Asn Phe Leu Cys Arg Ile Ile Phe
100 105 110
Met Ser Met Gly Tyr Phe Glu Tyr Arg Arg Ala Met Cys Asn Asn Tyr
115 120 125
Ile Arg Val Asn Ile Val Ser Ile Thr Ser Ser Val Tyr His Leu Cys
130 135 140
Tyr Lys Gln Ser Ser Tyr Ile Leu Leu Val Ile Leu Asn Cys Thr Thr
145 150 155 160
Lys Leu Tyr Leu Gln Ser Pro Cys Cys Ala Ile Tyr Ile Leu Phe Ile
165 170 175

Phe Phe Leu Thr Ile Phe Cys Thr His Pro Ser Ser Leu Tyr Ser Pro
180 185 190

Ser Ala Gln Leu Asn Ser
195

<210> 136

<211> 214

<212> PRT

<213> Homo sapiens

<400> 136

Arg Cys Ser Ile Val Ser Ser Val Ser Cys Pro Leu Leu Pro Pro Gly
1 5 10 15

Val Asp Ser Cys Thr Val His Pro Thr Pro Ala Phe Pro Ser Phe Leu
20 25 30

Ile Ser Pro Val Ile Phe Pro Val Ala Leu Leu Cys Trp Cys Pro Val
35 40 45

Arg Ser Cys Gly His Lys Arg Leu His Gly Pro His Pro Gln Leu Gly
50 55 60

Glu Ser Ser Pro Ser Trp Val Leu Trp Thr Val Lys Lys Asp Gly His
65 70 75 80

Val Gly Ser Val Glu His Glu Val Val Gln Asp Leu Gly Gly His Arg
85 90 95

Ser Cys Leu Pro Ala Ser Arg Ala Leu Pro Pro Phe Gly Ser Leu Leu
100 105 110

His Leu Gly Lys Arg Phe Val Pro Thr Pro Arg Arg Val Asn Arg Ala
115 120 125

Pro Trp Trp Ser Thr His Cys Pro Ser Glu Gly Pro Ser Ser Leu Met
130 135 140

Ser Trp Cys Pro Gly Leu Pro Gly Arg Ile Leu Ala Ala Leu Pro Gly
145 150 155 160

Pro Glu Met Asn His Trp Glu Glu Ile Gly Asn Glu His Thr Ala Ala
165 170 175

Thr Leu His Pro Asn Pro Val Pro Tyr His Arg Arg Leu Leu Trp Gln
180 185 190

Asp Asp Ser Ile Ser Val Cys Leu Arg Ser Leu Phe Leu Pro Arg Leu
195 200 205

Leu Pro Pro Gly Arg His
210

<210> 137

<211> 141

<212> PRT
<213> Homo sapiens

<400> 137

Ile Ile Ser His Thr Ala Phe Phe Arg Phe Ser Leu Ser Ile Cys Phe
1 5 10 15
Cys Asn Ser Tyr Trp Thr Phe Thr Ser Leu Ser His Cys Leu Leu Tyr
20 25 30
Leu Leu Thr Phe Val Phe Ser Val Ser His Cys Cys Ile Val Ser Tyr
35 40 45
Tyr Leu Ala Leu Pro Val Asn Ser Leu Ser Phe Phe Cys Asn Leu Phe
50 55 60
Ile Ser Ser Leu Cys Leu Leu Phe Gln Leu Asn Leu Ile Ala Gln Ser
65 70 75 80
Phe Ile Trp Ser Phe Lys Ile Cys Phe Cys Leu His Ser Tyr Phe Val
85 90 95
Leu Phe Ser Leu Ser Leu Tyr Leu Phe Leu Met Leu Ser Ser Ala Tyr
100 105 110
Tyr Phe Asp Ile Tyr Phe Leu Ala Ser Leu Arg Tyr Ser Ile Ile Ser
115 120 125
Gly Pro Arg Ile Ile Lys Ser Pro Thr Thr Ser Val Asp
130 135 140

<210> 138
<211> 223
<212> PRT
<213> Homo sapiens

<400> 138

His Glu Trp Leu Thr Phe Phe Ile Glu Asp Glu Ile Leu Ser Trp Cys
1 5 10 15
Ile Tyr Val Pro Cys Tyr Phe Pro Ala Asn His Phe Ser Asn Thr Ala
20 25 30
Gln Leu Tyr Ser Asp Thr Val Asp Thr Val Phe Gln Ala Leu Tyr Phe
35 40 45
Gln Phe Ile Cys Gly Ile Leu Asp Ser Phe Gly Ser Ser Thr Glu Val
50 55 60
Thr Phe Ile Tyr Arg His Phe Arg Gly Ile His Thr Thr Ser Tyr Asn
65 70 75 80
Cys Thr Ala Ile Ala Cys His Cys His Val Phe Ile Asn Phe Gln Phe
85 90 95

Leu Glu Asp Phe Ser Ile Ile Ile Tyr Lys Leu Val Lys Phe Thr Val
 100 105 110
 Ile Cys Gln His Leu Glu Gln Glu Lys Met Ser Ala Lys Asp Gly Arg
 115 120 125
 Thr Leu Tyr Phe Ile Leu Ile Ala Gly Phe Leu Pro Asp Asp Asn Phe
 130 135 140
 Gln Lys Ile Asn Pro Asn Phe Asn Thr Ser Cys His His Phe Thr His
 145 150 155 160
 Ser Asn Ile Lys Ile Ser Asn Phe Thr Tyr Ile Ser Ser Glu Ser Thr
 165 170 175
 Asp Lys Leu Phe Tyr Ile Glu Gly Asn Ile Ser Trp Glu Val His Asn
 180 185 190
 Cys Thr Cys Arg Ile Ile His Arg Ser Phe Gln Val Leu Leu Gln
 195 200 205
 Ile Gly Leu Lys Ser Ile Thr Val Gly Leu Ser Val Ala Gln Lys
 210 215 220
 <210> 139
 <211> 173
 <212> PRT
 <213> Homo sapiens
 <400> 139
 Asn Ile Ile Thr Phe Phe Tyr Glu Tyr Ser Trp Ser Phe Gln Asn Lys
 1 5 10 15
 Thr Ser Tyr Trp Phe Asn Lys Leu Trp Tyr Asn Gln Ile Met Lys Leu
 20 25 30
 Tyr Ala Phe Val Lys Val Thr Phe Gln Lys Asn Ile Leu His Arg Ile
 35 40 45
 Thr Asp Pro Ser Ala Leu Pro Thr Leu Trp Ala Leu Ser Leu Phe His
 50 55 60
 His His Tyr Leu His His Cys Leu Gln Val Phe Tyr Thr Ala Arg Val
 65 70 75 80
 Gly Leu Cys Leu Leu Asn Ser Gln Val Lys Arg Gly Arg Lys Leu Thr
 85 90 95
 Pro Ser Gly Gly Ser Leu Gly Met Ile His Gly Arg Trp Ser Ile Asn
 100 105 110
 Thr Ser Ala Leu Phe Pro Leu Glu Ile Leu Arg Asn Gly Phe Tyr Ile
 115 120 125
 Val Ser Gln Ser Phe Leu Lys Val Leu Asn Phe Asn His Pro Gln Gly
 130 135 140

Val Val Gly Phe Ile Ile Val Tyr Ile Pro Leu Trp Leu Pro Phe Leu
 145 150 155 160

Leu Val Ser Leu Leu His Ser Lys Leu Gly Phe Ile Ser
 165 170

<210> 140
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 140

Val Phe Leu Ser Arg Lys Glu Glu Lys Gly Trp Val Val Thr Gly Gly
 1 5 10 15

Gln Gln Cys Gln Asn Trp Gly Val Trp Thr Gly Ile Gln Glu Asn Glu
 20 25 30

Gly Ala Gln Asp Glu Gln Lys Gly Gly Glu Ala Ile Phe Ile Lys His
 35 40 45

Leu Leu Cys Ala Ser Gln Ala Arg Leu Gln Ile Ile Thr Leu Leu Lys
 50 55 60

Ser Ser Gln Gln Pro Ser Asn Arg Tyr Leu Ser Leu Ile Pro Tyr Pro
 65 70 75 80

Cys Ser Ala Ser Pro Pro Ile Thr Met Ala Glu Glu Phe Lys Pro Leu
 85 90 95

Ser Lys Ala Ser Thr Val Ile Cys Pro Leu Asp Pro Ile Pro Ser Ile
 100 105 110

Phe Leu Phe Ile Glu Thr Phe Ser Met Val Phe Lys His Thr Leu Leu
 115 120 125

Ser Leu Leu Leu Asn Arg Gln Met Gln Leu Ile Lys Leu Phe Phe Ser
 130 135 140

Leu Gly Tyr Cys Pro Ile Ser Leu Leu Pro Phe Met Ala Glu Leu Leu
 145 150 155 160

Glu Arg Val Phe His Asn His Phe Ile Ser Thr Pro Leu Thr Asp Phe
 165 170 175

Thr Gln Leu Glu Glu Glu Glu Gly Thr Leu Ile Pro Lys Cys Pro Ile
 180 185 190

Lys Pro Asn Pro Leu Lys Val Leu Cys Cys His Asp Gly Cys Glu His
 195 200 205

Gly Glu Lys Ile Leu Glu Asp Val Gly Asn His Asp Arg Glu Thr
 210 215 220

<210> 141

<211> 176
 <212> PRT
 <213> Homo sapiens

<400> 141

Ser	Cys	Glu	Thr	Ser	Ile	Leu	Val	Ser	Trp	Gly	Gln	Gly	Asn	Gln	Gly
1				5					10					15	
Pro	Ser	Met	Leu	Ile	Leu	Pro	Cys	Val	Arg	Leu	Ile	Leu	Ser	Ile	Ser
			20					25					30		
Gly	Gly	Gln	Val	Ala	Thr	Trp	Pro	Pro	Gly	His	Thr	His	Gln	Glu	Phe
		35					40					45			
Ile	Leu	Cys	Asn	Leu	Glu	Glu	Gly	Leu	Arg	Asn	Ala	Gly	Gly	Tyr	Leu
	50					55					60				
Pro	Gly	Asp	Ile	Leu	Tyr	Pro	Leu	Ile	Gly	Asn	Trp	Gly	Arg	Ser	Gln
65				70					75					80	
Phe	Gly	His	Thr	Phe	Pro	Glu	Leu	Asn	Phe	Tyr	Glu	Gly	Asp	Leu	Gly
			85					90						95	
Gly	Arg	Gly	Ser	Glu	Ala	Asn	Ile	Ala	His	Val	Pro	Gln	Thr	Leu	Val
			100				105						110		
Cys	Leu	Thr	Glu	Ile	Tyr	Ile	Phe	Ser	Asp	Lys	Phe	Phe	Lys	Ser	Leu
		115					120					125			
Leu	Tyr	Val	Phe	Arg	Thr	Ile	Ser	Gly	Asp	Phe	Leu	Lys	Asn	Asn	Phe
	130					135					140				
Cys	Leu	Leu	Tyr	Leu	Phe	Ser	Ala	Val	Thr	Gly	Pro	Gln	Ser	Pro	Tyr
145				150					155						160
Asn	Val	Asn	Pro	Glu	Val	Glu	Leu	Leu	His	Tyr	Ser	Phe	Phe	Phe	Phe
			165						170					175	

<210> 142
 <211> 209
 <212> PRT
 <213> Homo sapiens

<400> 142

Ser	Gln	Lys	Asn	Thr	Thr	Pro	Leu	Leu	Glu	His	Asn	Val	Ile	His	Phe
1				5					10					15	
His	Leu	Leu	Ala	Ser	Leu	Ala	Glu	Phe	Gln	Lys	Cys	Asn	His	Tyr	Glu
			20					25					30		
Ala	Gly	Thr	Lys	Asp	Phe	Pro	Asn	His	Phe	Val	Ile	Leu	Ile	Asn	Ile
		35					40					45			
Ser	Ser	Ile	Leu	Leu	Asp	Pro	Phe	Thr	His	Phe	Leu	Tyr	Cys	Phe	Pro
	50					55					60				

Phe Pro Glu Val Leu Asn Lys Ile Ser Leu Leu Phe Val Leu Glu Lys
 65 70 75 80
 Ser Ser Cys Leu Pro His Arg Met Val Val Gly Glu Thr Gln Trp Glu
 85 90 95
 Thr Ser Val Lys Gly Gln Lys Thr Leu Thr Phe Val Ile Val Ser Ser
 100 105 110
 Phe Phe Gln Asn Thr Ser Ile Ala Trp Leu Leu Tyr Thr Arg Leu Leu
 115 120 125
 Lys Ile Tyr Leu Cys Pro Thr Thr Leu Phe Val Val Asn Ile Phe Leu
 130 135 140
 Ile Leu Ile Gln Tyr Ile Ser Glu Ile Phe Asp Leu Gln Ser Asn Leu
 145 150 155 160
 Ser Ile Thr Met Ile Pro Tyr Leu Asn Thr Gly Met Val Lys Met Arg
 165 170 175
 Thr Asn Leu Pro Phe Leu Cys Ser Tyr Arg Gln Ala Ile Leu Ile Thr
 180 185 190
 Asn Val Gln Ser Lys Pro Met His Glu Cys Arg Met Gln Leu Lys Ser
 195 200 205

Arg

<210> 143
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 143

Ser Phe Pro Val Ser Glu Lys Ile Lys Pro Cys His Ser Lys His Val
 1 5 10 15
 Leu Pro Lys Phe Lys Lys His Val Asn Leu Leu Val Lys Leu Tyr Val
 20 25 30
 Leu Val Asp Phe Glu Ile Leu Cys Asn His Leu Lys Leu Ala Ser Gly
 35 40 45
 Pro Gln Leu Asp Gln Ile Pro Val Ser Leu Phe Leu Thr Ser Leu Cys
 50 55 60
 Trp Thr Thr Tyr Leu Gln Arg Gln Lys Lys Asp Lys Ser Asn Asn Pro
 65 70 75 80
 Thr Val Ile Leu His Lys Ser Met Thr Lys Leu Pro Leu Gln Lys Leu
 85 90 95
 Asn Ser Ser Ser Leu Asn Phe Leu Thr Ile Thr Trp Lys Ser Ala Thr

100	105	110
Met Val Asn Cys Gln Thr Cys Thr Ala Ser Gln Pro Thr Leu Tyr Thr		
115	120	125
Asn Lys Gly Gly Leu Tyr Ser Asp His Tyr Trp Asn Lys Leu Ser Leu		
130	135	140
Pro Asn Val Ser Ser His Pro Leu Asn Tyr Leu Leu Leu Leu Tyr Phe		
145	150	155
Tyr Thr Ala Ile Lys Leu Lys Leu Leu Lys His Asn Phe Ala His Val		
165	170	175
Gln Asn Phe Tyr Ser Val Pro Gln Gln Ser Leu Thr Asn Pro Gln Asn		
180	185	190
Leu Pro Thr Asn Leu Phe Leu Thr		
195	200	
<210> 144		
<211> 170		
<212> PRT		
<213> Homo sapiens		
<400> 144		
Val Ile Pro Ser Ser Val Cys Pro Thr Val Gly Leu Pro Asp Thr Asp		
1	5	10
Ser Thr Thr Leu Val Ile Cys Asp Phe Leu Phe Thr Gly His Glu Lys		
20	25	30
Pro Phe Thr Asp Trp Leu Gln Cys Ala Ser Leu Pro Tyr Gln Leu Leu		
35	40	45
Phe His Thr Asn Ser His Leu Val Asn Trp Val Pro Cys Ser Ala Lys		
50	55	60
Met Cys Phe Ser Ala Gln Val Ile Leu Tyr Thr Pro Ile Leu Asn Leu		
65	70	75
Leu Cys Ala Ser Gln Ser Thr Ile Phe Gln Ser Gln Leu Lys Pro Phe		
85	90	95
Ile Ile Gln Tyr Gly Phe Ser Pro Gln Ser His Val Lys Val Ser Pro		
100	105	110
Cys Phe Phe Gln Thr Val Val Ala Leu Thr Gly Leu Leu Leu Gly Tyr		
115	120	125
Lys Leu Thr Leu Tyr Phe Ser Ile Phe Ser Leu Pro Trp Ser Lys Arg		
130	135	140
Lys Ile Arg Ser Met Asn Leu Arg Thr Tyr Lys Leu Leu Val Glu Gln		
145	150	155
		160

Gly Leu Asp Ile Val Cys Ile Asp Ser Arg
165 170

<210> 145
<211> 214
<212> PRT
<213> Homo sapiens

<400> 145

Met Gly Thr Ala Leu Phe Lys Val His Phe Pro Asp Ser Ala Val Leu
1 5 10 15

Phe Ser Ser Ser Ile Pro Thr Asn Ser Gly Leu Gln Ala Phe Pro Leu
20 25 30

Leu Ser His Ser Ile Leu Pro Glu Pro Ser Ile Lys Ala Pro Thr Ile
35 40 45

Leu Pro Ser Gly Gly Ala Ile Phe Leu Ser Phe Pro Glu Arg Trp Asp
50 55 60

Pro Leu His Phe Thr His Leu Ser Pro Arg Pro Ser Thr Cys Leu Ala
65 70 75 80

Gln His Ser Asn Ile Asn Pro Val Glu Ile Asn Cys Gly Ile Ala Trp
85 90 95

Phe Pro Trp Met Val Ile Gln Val Val His Cys Thr Thr Met Cys Asn
100 105 110

Ile Pro Gly Lys Arg Gln Lys Phe Ile Asp Trp Leu Gly Val Leu Asn
115 120 125

Ser Gln Gly Lys Leu Phe Asp His Cys Met Pro Ser Thr Trp Glu Asn
130 135 140

His Ile Pro Gln Leu Leu Arg Pro Tyr Cys Met Val Thr Trp Gly Asn
145 150 155 160

Ile His Thr Val Ser Pro Ala Leu Ser Ala His Lys Gly Asp Ile Val
165 170 175

Gln Arg Gly Asn Leu Ser Leu Pro Ser Thr Ser Leu Phe Leu Thr Pro
180 185 190

Lys Ser Leu Ser Leu Leu Thr Lys Asp Ile Ser Ala Ser Ala Ile Leu
195 200 205

Phe Ala Glu Trp Arg Ile
210

<210> 146
<211> 200
<212> PRT
<213> Homo sapiens

<400> 146

Arg Ile Ser Gln Lys Cys Cys Val Leu Leu His Pro Leu Trp Gln Leu
1 5 10 15

Phe Val Tyr Leu Ser His Ala Gly Glu Val Asn Thr Asp Pro Leu Val
20 25 30

Lys Met Met Ser Asp Ile Phe Phe Ser Ala Ala Asn Leu Ser Ile Phe
35 40 45

Ser Phe Val Ile Met Gly Ile Leu Trp Lys Val Thr Trp Arg Leu Cys
50 55 60

Lys Ile Tyr Ser Ser Gln Phe Tyr Leu Pro Val Leu Ala Ser Ile Asp
65 70 75 80

Val Ser Cys Leu Ser Leu Leu Ala Gln Phe Ala Lys Cys His Tyr Leu
85 90 95

Pro Phe Ser Ser Met Arg Cys Met Tyr Val Tyr Met Tyr Ile Cys Ile
100 105 110

Asp Ile Ser Val Tyr Leu Glu Thr Tyr Ile Asp Glu Leu Ser Ile Thr
115 120 125

Met Ile Ile Tyr Phe Asp Val Gln Val Val Pro Asp Leu Thr Ser Asp
130 135 140

Ser Phe Leu Asn Leu Met Tyr Gln Asp Val His Lys His Val Phe Phe
145 150 155 160

Pro Cys Pro Asn His Pro Gly Val Gly His Leu Ser Lys Met Ser Cys
165 170 175

Phe Cys Leu Leu Arg Trp Arg Ser Gly Ile Gln Lys Ser Arg Ser Val
180 185 190

Cys Leu Val Cys Phe Ile Ala Ile
195 200

<210> 147

<211> 191

<212> PRT

<213> Homo sapiens

<400> 147

Tyr Leu Ile Leu Lys Tyr Ile Ile Met Lys Ser Ile Asn Val Ser Arg
1 5 10 15

Gln Arg Ser Tyr Ile Pro Lys Ile Gly Asn Asn Cys Val His Met Cys
20 25 30

Tyr His Thr Ile His Pro Ile Leu Leu Tyr Leu Asn Phe Pro Lys Gln
35 40 45

Pro Val Val Lys Gln Leu Val Met Arg Thr Asn Glu Lys Leu Pro Glu
 50 55 60
 Ile Ser Asp Ser Ser Cys Thr Tyr Phe Thr Pro Glu Val Trp Glu Phe
 65 70 75 80
 Thr Glu His Asn Val Arg Phe Phe Ser Ile Ser Tyr Pro Leu Pro Lys
 85 90 95
 Ile Val His Lys Ile Gln Asn Ile Ser Ser Leu Thr Phe Leu Glu Cys
 100 105 110
 Asn His Thr Leu Asp Asn Tyr Phe Arg Leu Leu Asn Gly Lys Arg Thr
 115 120 125
 Gly Arg Arg Val Lys Val Thr Cys Phe His Leu Ser Tyr Phe Arg Leu
 130 135 140
 Thr Ser Lys Ser Phe Phe Thr Leu Phe Leu Ile Leu His Arg Pro Phe
 145 150 155 160
 Leu Val Lys Ser Ala Asp Ser Lys Tyr Lys Ala Asn Ala Tyr Ser Tyr
 165 170 175
 Val Ile Phe Met Phe Phe Lys Asn Asn Met Val Leu Thr Ser Ser
 180 185 190
 <210> 148
 <211> 193
 <212> PRT
 <213> Homo sapiens
 <400> 148
 Gly Leu Ser Glu Gly Glu Ala Ser Leu His Leu Asp Phe Phe Leu Lys
 1 5 10 15
 Ile Thr Thr Ile Met Asn Thr Ala Ala Thr Ser Leu Leu Cys Thr Arg
 20 25 30
 Gly Ile Ile Leu Gly Val Ser Val Tyr Ala Tyr Pro Glu Ile Ser Ser
 35 40 45
 Phe Leu Leu Arg Gly Glu Val Leu His Ile Asp Phe Ile Val Arg Asn
 50 55 60
 Gly Lys Ile Phe Asn Lys Cys Ile Arg Ala Thr Thr Phe Ser Ala Leu
 65 70 75 80
 Gln Pro Ala Ser Pro Pro Ser Arg Gln Asp Ile Met Asn Pro Leu Phe
 85 90 95
 Gly Lys Ala Ala Glu Lys His Val Leu Gln Thr Tyr Tyr His Leu Val
 100 105 110
 Asn Asn Ser Gln Trp Thr Asp Gln Asn Ser Arg Arg Phe Pro Leu Ser
 115 120 125

Leu His Cys Thr Asp Ala Ala Thr His Ala His Ile Pro Leu Asn Leu
 130 135 140

Pro Val Thr Thr Ala Gln Arg Gln Leu Ser Ser Trp Ala Gln Asn His
 145 150 155 160

Trp Gly Thr Phe Trp Gln Leu Ala Asn His Cys Ala Gln Arg Gln Ser
 165 170 175

Gln Phe Thr Leu Pro Gln Arg Gly Thr Glu Tyr Thr Ala His Pro His
 180 185 190

Leu

<210> 149

<211> 195

<212> PRT

<213> Homo sapiens

<400> 149

Ile Leu Asp Ser Phe Arg Asp Phe Leu Glu Gln Gly Gln Glu Ser Phe
 1 5 10 15

Leu Asp Lys Val Arg Ser Asp Leu Ser Gln Gly Arg Ser Ile Phe Ser
 20 25 30

Tyr Thr Arg Arg Asn Phe His His Lys Gln Cys Pro Lys Asp Ala Cys
 35 40 45

Tyr His Phe Tyr Ser Met Leu Phe Ser Val Phe Trp Pro Ile Leu Leu
 50 55 60

Glu Ile Gln Val Arg Lys Met Thr Lys Gly Ile His Glu Thr Arg Ser
 65 70 75 80

Leu Phe Arg Arg Trp Tyr Asp Cys Leu Ser Arg Lys Lys Glu Met Thr
 85 90 95

Pro Ser Phe Trp Glu Phe Thr Asn Ser Gly Trp Val Leu Asp Lys His
 100 105 110

Leu Lys Asn Gln Ser Phe Pro Cys Val Ala Ala Ile Thr Ile Lys Met
 115 120 125

Glu Met Arg Ser Gly Ala Val Asn Ile Gln Gln Glu Leu Leu Ile Cys
 130 135 140

Arg Pro Asp Lys Ser Pro Pro Glu Trp Thr Pro Ala Arg Glu Gly Arg
 145 150 155 160

Ser Leu Glu Gly Arg Arg Glu Asp Thr Glu Asp Leu Pro Leu Pro Gln
 165 170 175

Glu Ala Pro Arg Glu Arg Ala Thr Thr Val Tyr Ser Ser Arg Leu Trp

	180	185	190
Gly Asp Ser			
195			
<210>	150		
<211>	168		
<212>	PRT		
<213>	Homo sapiens		
<400>	150		
Leu Lys Ser Ser Gln Gln Pro Ser Asn Arg Tyr Leu Ser Leu Ile Pro			
1	5	10	15
Tyr Pro Cys Ser Ala Ser Pro Pro Ile Thr Met Ala Glu Glu Phe Lys			
	20	25	30
Pro Leu Ser Lys Ala Ser Thr Val Ile Cys Pro Leu Asp Pro Ile Pro			
	35	40	45
Ser Ile Phe Leu Phe Ile Glu Thr Phe Ser Met Val Phe Lys His Thr			
	50	55	60
Leu Leu Ser Leu Leu Leu Asn Arg Gln Met Gln Leu Ile Lys Leu Phe			
65	70	75	80
Phe Ser Leu Gly Tyr Cys Pro Ile Ser Leu Leu Pro Phe Met Ala Glu			
	85	90	95
Leu Leu Glu Arg Val Phe His Asn His Phe Ile Ser Thr Pro Leu Thr			
	100	105	110
Asp Phe Thr Gln Leu Glu Glu Glu Gly Thr Leu Ile Pro Lys Cys			
	115	120	125
Pro Ile Lys Pro Asn Pro Leu Lys Val Leu Cys Cys His Asp Gly Cys			
	130	135	140
Glu His Gly Glu Lys Ile Leu Glu Asp Val Gly Asn His Asp Arg Glu			
145	150	155	160
Thr Glu Lys Val Val Lys Gly Phe			
	165		
<210>	151		
<211>	121		
<212>	PRT		
<213>	Homo sapiens		
<400>	151		
Thr Gly His Pro Arg Leu Pro Pro Thr Leu Lys Gln Pro Ala Arg Gln			
1	5	10	15
Cys Val Thr Tyr Gly Phe Asn Ser Asp Glu Glu Asp Ser Ser Trp His			
	20	25	30

Gly Leu Leu Arg Thr Leu Asn His Lys Val Ser Arg Asp Arg Arg Thr
 35 40 45
 Val Pro Thr Ala Ala Thr Pro Arg Trp Val Cys Ser Pro Val Ala Thr
 50 55 60
 Leu Lys Phe Leu Lys Thr Phe Tyr Gly Val Leu Leu Cys His Leu Gly
 65 70 75 80
 Trp Ser Ala Val Thr Cys Leu Ile Pro His Leu Ala Glu Thr His Arg
 85 90 95
 Arg Ser Leu Val Arg Thr Arg Glu Gly Ala Gly His Ser Gly Ser Cys
 100 105 110
 Gln His Phe Gly Arg Leu Arg Gln Glu
 115 120
 <210> 152
 <211> 211
 <212> PRT
 <213> Homo sapiens
 <400> 152
 Leu Val Ala Ile Ser Leu Lys Phe Phe Phe Cys Arg Lys Ile Ser His
 1 5 10 15
 Arg Trp Leu Ile Ile Cys His Ile Lys Pro Leu Arg Lys Lys Gly Trp
 20 25 30
 Gln Met Leu Leu Leu Val Arg Leu Leu Cys Tyr Glu Ile Trp Val Lys
 35 40 45
 Cys Ala Gly Val Thr Glu Glu Gly Glu Phe Leu Ser Pro Ser Arg Ile
 50 55 60
 Glu Glu Asn Gly Val Arg Asp Arg Glu Gln Leu Ala Arg Lys Ala Gln
 65 70 75 80
 Gly Val Asn Leu Thr Arg Lys Phe Lys Gln Trp Leu Leu Leu Tyr Ser
 85 90 95
 Leu Phe Val Gln Ile Leu Lys Met Lys Leu Phe Ile Lys Phe Ile Val
 100 105 110
 Val Phe Leu Asn Ser Met Arg Asn Gly Arg Asn Leu Arg Tyr Cys Ser
 115 120 125
 Lys Gly Ser Ser Ala Pro Asn Leu Phe Leu Thr Lys Phe Ile Leu Leu
 130 135 140
 Pro Lys Val Ser Pro Asn Val Thr Pro Thr Ser Ile Arg Gln Glu Tyr
 145 150 155 160
 Cys Asn Glu Ala Met Thr Ile His Asn Leu Leu Ser Ile Lys Gln Val

	165	170	175
His Glu Arg Phe Cys Asn Asn Thr Leu Cys Lys Ser Leu Trp Asn Asn			
	180	185	190
Asn Lys Ile Asp Val His Phe Met Tyr Tyr Cys Ile Leu His Ile Leu			
	195	200	205
Arg His Glu			
	210		
<210>	153		
<211>	173		
<212>	PRT		
<213>	Homo sapiens		
<400>	153		
Val Asp His Trp Ile His Leu Asp Met Phe Lys Met Phe Thr Tyr Gly			
1	5	10	15
Val Leu Ile Leu Leu Gly Pro Glu Asn Ala Tyr Ser Gly Ile Leu Leu			
	20	25	30
Ser Ser Gly Lys Arg Ala Pro Phe Ser Pro Asn Leu Lys Asp His Glu			
	35	40	45
Asn His Leu Lys Cys Leu Leu Glu Val Arg Ile Pro Gln Pro Val Trp			
	50	55	60
Gly Pro Ala Ile Cys Ile Phe Lys Glu Thr Trp Thr Val Thr Cys Glu			
65	70	75	80
Lys Pro Tyr Ala Gln Tyr Val Leu Ala Ile Arg Ile Thr Met Val Asn			
	85	90	95
Ile Asn Tyr Leu Phe Arg Glu His Lys Phe Leu Leu Thr Gln Leu Asn			
	100	105	110
Ala Lys Cys Phe Lys Ser Lys Thr Pro Cys Leu Lys Asn Ile Gly Phe			
	115	120	125
Phe Phe Lys Gln Tyr Lys Thr Gly Tyr Leu Ser His Glu Phe Gly Ala			
	130	135	140
Pro Asn Ser His Cys Phe Gln Thr Ile Ser Gln Glu Arg Ser Leu Gln			
145	150	155	160
Ser Pro Pro Val Ala Ser Ile Ala Leu Cys Val Leu Lys			
	165	170	
<210>	154		
<211>	172		
<212>	PRT		
<213>	Homo sapiens		
<400>	154		

Gln Ile Leu Gly Ser Lys Arg Arg Lys Met Ser Arg Met Lys Arg Tyr
 1 5 10 15
 Leu Ile Ile Ser Ser Ala Asp Phe Leu Gly Asn Val Phe Ile Pro Ile
 20 25 30
 Phe Ile Thr Tyr Val Val Lys Asp Ser Phe Ser Gly Leu Tyr Ile Gln
 35 40 45
 Leu Phe Glu Tyr Ile Tyr Asn Asn Ile Tyr Ser Cys Leu Ile Gly Asn
 50 55 60
 Phe Asn Asn Tyr Gln Asn His Lys Glu Ile Phe Phe Ala Cys Phe His
 65 70 75 80
 Tyr Phe His His Phe Gly Ile Cys Tyr Val Val Lys Lys Tyr Ser Glu
 85 90 95
 Lys Thr Ile Ile Leu Lys Ser Cys Cys Ile Asn Arg Ile Trp Gly Lys
 100 105 110
 Glu Gln Thr Thr Lys Arg Gly Arg Leu Met Ser Leu Val Gly Thr Trp
 115 120 125
 Glu Val Thr Leu Ile Ser His Phe Leu Asn Leu Lys Glu Glu Lys Val
 130 135 140
 Lys Leu Ile Asn His Ser Thr Gln Lys Asn Thr Phe Trp Thr Ile Lys
 145 150 155 160
 Asp Ser Ala Ile Tyr Met Asp Tyr Ile Phe Ile Ser
 165 170

<210> 155
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 155

Arg Cys Glu Pro Leu Pro Gly Leu Glu Leu Leu Leu Asp Cys Ile Pro
 1 5 10 15
 Arg Gly Asn Phe Met Thr Glu Phe Arg Ser Ala His Ile Leu Ala Ala
 20 25 30
 Ser Lys Arg Glu Arg Glu Ser Pro Ala Leu Ile Ser Val Ile Phe Leu
 35 40 45
 Phe Asp Leu Ile Tyr Ser Ile Asn Thr Pro Gln Glu Gly Thr Phe Pro
 50 55 60
 Ser Pro Ala Pro Lys Gln Asn Arg Ser Ile Leu Asp Gly Leu Pro Asn
 65 70 75 80
 Trp Cys Leu Gln Thr Ser Ser Leu Ser Pro Ser Pro Thr Leu Lys Ser

	85		90		95
Arg Ser Leu	Ile Cys Met Gly Cys	Ile Ser Thr Leu Met	Leu Pro Gly		
	100	105	110		
Phe Trp Leu	Gly Leu Pro Asn Gly	Arg His His Trp Arg	Arg Met Glu		
	115	120	125		
Val Gly Gly	Gly Arg Trp Glu Gly	Arg Gly Trp Gly	Ile Val Pro Leu		
	130	135	140		
Ala Pro Phe	Leu Cys Ser Phe Gly	Ser Leu Gln His	Pro Val Thr Leu		
145	150	155	160		
Ser Leu Ser	His Gln Val Phe Ile	Phe Cys Trp Phe	Pro Phe Val Leu		
	165	170	175		
Pro Thr Phe	Thr Thr Cys Pro Phe	Leu Lys Asp Pro	Ser Ile Ala Leu		
	180	185	190		
Phe Gly Asn	Ile Leu Phe Ser Ala	Gly Thr Pro Glu	Leu Tyr Arg Arg		
	195	200	205		
Val Gln Glu	Ala Thr Lys Leu Gln	Met Pro Thr Thr	Trp Trp Asn Arg		
	210	215	220		
Cys Pro Leu	Glu Ala Ala Ala				
225	230				
<210>	156				
<211>	160				
<212>	PRT				
<213>	Homo sapiens				
<400>	156				
Pro Ile Cys	Leu Asn Ala Ser Cys	Ser Gly Gly Leu Thr	Pro Ile Asn		
1	5	10	15		
Pro Ser Cys	Leu Trp Lys Gly Leu	Pro Thr Glu Leu Asp	Ser Asn Ile		
	20	25	30		
Gln Ser Ser	Ser Thr His Pro Phe	Ser Trp Thr Leu Trp	Gly Pro Arg		
	35	40	45		
Gln Gln Thr	Ser Cys Leu Phe Tyr	Arg Ala Ala Leu Gln	Met Ala Gly		
	50	55	60		
Ala Thr Val	Phe Ser Ala Leu Glu	Asp Leu Ser Met Val	Val Ser Phe		
65	70	75	80		
His Ile Ser	Tyr Asp Phe Tyr Ser	Gln Glu Ser Leu Ile	Cys Leu Leu		
	85	90	95		
Met His Phe	His Leu Ser Val Thr	Leu Leu Gln Asn Gln	Arg Glu Ile		
	100	105	110		

Thr Leu Ile Phe Leu Arg Ala Ser Lys Leu Pro Gly Leu Gln Arg Pro
 115 120 125
 Cys Arg Ala His Arg Gln Arg Met Thr Arg Gly His Met Pro Cys Met
 130 135 140
 His Phe His Leu Ser Val Thr Leu Leu Gln Ala Asn Leu Lys Gly Met
 145 150 155 160
 <210> 157
 <211> 225
 <212> PRT
 <213> Homo sapiens
 <400> 157
 Val Pro Leu Val Asn Pro Glu Tyr Asn Ile Phe Tyr Lys Thr Cys Phe
 1 5 10 15
 Ile Leu Ser Gly Met Arg Cys Ile Phe Glu Gly Leu Leu Lys Leu Ala
 20 25 30
 Ile Thr Ile Arg Leu Leu Leu Asn Leu Gly Ile Ser Leu Pro Ser Cys
 35 40 45
 Gln Gly Leu Tyr Leu Met Phe Val Ser Leu Lys Lys Lys Arg Asn Gln
 50 55 60
 Thr Asp Tyr Thr Leu Leu Lys Thr Glu Asp Met Tyr Phe Asn Met Ser
 65 70 75 80
 Leu Leu Pro Val Ile Gln Ser Leu Lys Phe Gln Asn Pro Ser Gly Thr
 85 90 95
 Leu Cys Gly Pro Trp Ile Lys His Thr Trp Ala Tyr Glu Cys Val Asp
 100 105 110
 His Trp His Met Arg Gly Asn Cys Leu Leu Gly Tyr Val Ala Leu Pro
 115 120 125
 Leu Ser Ile Tyr Asn Ser Asn Val Ser Glu Arg Ser Ser Ser Leu Lys
 130 135 140
 Leu Phe Ser Arg Ile Arg Gln Thr Val Pro Ala Asn Gln Gly Asp Glu
 145 150 155 160
 Phe Trp Pro Met Phe Gly Arg Ser Leu Leu Gln Trp Gly Val Thr Ser
 165 170 175
 His Glu Arg Ile Ile Arg Asn Leu Ser Thr Thr Leu Gly Asn Leu Ala
 180 185 190
 Asn Glu Leu Ala Glu Ala Ile Ala Thr Lys Arg Ser Ser Asp Ser Leu
 195 200 205
 Asp Arg Ile Val Met Asp Asp Gly Ile Thr Leu Gly Tyr Ile Val Val
 210 215 220

Lys
225

<210> 158
<211> 215
<212> PRT
<213> Homo sapiens

<400> 158

Leu Pro His Leu Cys Cys Ser Leu Leu Thr Ile Lys Pro Asp Met Cys
1 5 10 15

Leu Ser Pro Cys Leu Pro Thr His Pro Leu Ile Thr Ser Val Pro Cys
20 25 30

Ser Gln Val Ala Ser Arg Glu Asp Cys Gly Leu Met Ser Ser Phe Met
35 40 45

Pro Trp Leu Leu Leu Ile Arg Ala Leu Tyr Thr Phe Ser Lys Ala Leu
50 55 60

Glu Ser Lys Lys Val Leu Leu Gly Ser Ser Pro Gln Met Gln Phe Met
65 70 75 80

Lys Ser Val Ser Phe Ser Phe Pro Ser Glu Phe Leu Ser Val Ser Ile
85 90 95

Lys Ala Leu Asp Thr Pro Trp Phe Thr Arg Gln Lys Leu Ile His Pro
100 105 110

Thr Gln Pro His Gly Tyr Ser Phe Val Leu Leu Asp Asn Asn His Leu
115 120 125

Arg Lys Pro Asp Leu Phe Pro His Ser Ser Phe Ser Phe Cys Pro Ala
130 135 140

Glu Asn Lys Arg Thr Ser Cys His Ile Val Ile Cys Ser Ala Leu Leu
145 150 155 160

Leu Arg Ser Leu Val Gly Lys Thr Gly Pro Ile Lys Arg Asp Thr Ala
165 170 175

Met Pro Trp Gly Glu Asp Asn Lys Ser Asp Gly Ser Arg Ala Leu Glu
180 185 190

Ser Arg Gly Gly Val Thr Asn Cys Pro Asn Gly Thr Val Pro Ser Glu
195 200 205

Leu Leu His Leu Leu Leu Thr
210 215

<210> 159
<211> 202
<212> PRT
<213> Homo sapiens

<400> 159

Leu Lys Val Lys Lys Glu Tyr Pro Phe Ile Leu Asp Asn Cys Cys Gln
1 5 10 15

Arg His Tyr Asn Ile Ser Val Val Ile Pro Tyr Phe Ser Lys Ala Lys
20 25 30

Ile Glu Ile Trp Pro Leu Leu Leu Cys Asn Phe Leu Lys Phe Lys Val
35 40 45

Ser Val Phe Ser Ile Ile Lys Tyr Ser Ser Leu Lys Leu Met Ala Ile
50 55 60

Arg Tyr Ser Ile Val Trp Ile Ile Tyr Leu Arg Phe Cys Gly Leu Phe
65 70 75 80

Cys Phe Gln Asn Asn Thr Lys Ile Asn Ile Phe Val Cys Lys Tyr Phe
85 90 95

Thr Lys Ile Tyr Ser Glu Lys Phe Leu Lys Val Glu Phe Leu Gly Glu
100 105 110

Val Thr Phe Lys Cys Leu Ile His Leu Leu Ser Gly Lys Thr Val Arg
115 120 125

Phe Leu His Ser His His Ser Val Tyr Gly His Gln Leu Thr Val Phe
130 135 140

Phe Pro Thr Leu Leu Ile Phe Ser Leu Ser Met Trp Ile Lys Phe Gly
145 150 155 160

Phe Tyr Tyr Phe Asn Leu Tyr Ser Ile Thr Leu Leu Ala Ile Ser Leu
165 170 175

Gly Val Val Asn Ile Cys Pro Cys Pro Phe Leu Phe Gly Met Leu Ser
180 185 190

Leu Met Thr Asn Cys His Asn Val Ile Asn
195 200

<210> 160

<211> 215

<212> PRT

<213> Homo sapiens

<400> 160

Asn Ile Ser Phe Leu Ser Leu Lys Met Ala Val Ser Cys Val Leu Ile
1 5 10 15

Asn Leu Lys Ile Asn Leu Ser Ile Gly Glu Ala Gly Lys Leu Ala Trp
20 25 30

Lys Val Asn Leu Leu Ser Arg Gly Lys Ile Ser Trp Ala Leu Ile Lys
35 40 45

Val Asp Ile Phe Arg Gly Gly Lys Ser Lys Phe Tyr His Thr Leu Ala
 50 55 60
 Phe Val Gln Phe Ser Pro Leu Phe Ser Leu Tyr Tyr Leu Phe Phe Cys
 65 70 75 80
 Phe Thr Leu Gly Lys Ala Asn Tyr Leu Phe Ser His Ile Phe Trp Gly
 85 90 95
 Pro Ile Leu Met Ile Leu Ile Phe Phe Ser Cys Leu Thr Cys Arg Pro
 100 105 110
 Ser Thr Glu His Cys Arg Ala Ser Ser Gln Arg Ser Ser Gly Asp Glu
 115 120 125
 Leu Ser Phe Leu Gly Trp Asp Cys Cys Ala Gly Leu Asp Arg Thr Glu
 130 135 140
 Asn Cys Arg Asp Lys Tyr Thr Tyr Glu Gln Thr Ser His Leu Phe Ile
 145 150 155 160
 Lys Ala Leu His Trp Leu Trp Lys Thr Ala Val Gly Leu Arg Lys Leu
 165 170 175
 Asn Phe Leu Gly Ile Phe Val Leu Asn Ile Glu Arg Glu Arg Arg Arg
 180 185 190
 Phe Leu Phe Lys Arg Val Tyr Glu Thr Leu Ser Leu Lys Ser Asn Leu
 195 200 205
 Met Thr Gly Cys Met Cys Ser
 210 215

<210> 161
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 161

Lys Ile Gln Ile Leu Cys His Ser Pro Ala Tyr Leu Leu Thr Leu Pro
 1 5 10 15
 Leu Leu Ser Lys Phe Ile Ile Leu Thr Val Val Val Asn Ala Leu Leu
 20 25 30
 Ser Val Pro Cys Pro Phe Val Tyr Thr His Leu Val Leu Leu Ser Phe
 35 40 45
 Phe Ile Asn Met Leu His His Thr Val Ile Phe Leu Leu Ile Phe Phe
 50 55 60
 Lys Lys Val Trp Asn Ile Ser Phe Pro Leu Cys Val Leu Cys Asn Leu
 65 70 75 80
 Ser Asp Lys Thr Thr Cys Tyr Ile Phe Ser Thr His Asn Phe Ile Ser

85															90															95														
Gly	Leu	Cys	Ala	Leu	Tyr	Lys	Ser	Thr	Asn	Leu	Ser	Val	Trp	Ser	Val																													
			100						105						110																													
Leu	Ser	Ser	Pro	Gly	Gln	Ile	Leu	Ile	Ile	Cys	Gln	Glu	Cys	Asn	Ser																													
			115						120						125																													
Ile	Ile	Ser	Ser	Val	Thr	Gln	Phe	Ser	Lys	His	Arg	Ile	Leu	Cys	Val																													
			130						135						140																													
Pro	Ile	Ala	Leu	His	Trp	Ile	Gly	Pro	Gln	Phe	Cys	Gln	Cys	Ile	Ile																													
			145						150						155																													
Arg	Thr	Tyr	Leu	Gln	Val	Leu	Ser	Leu	Leu	Leu	Trp	Arg	Glu	Pro	Phe																													
			165						170						175																													
Ser	His	Met	Asn	Cys	Asp	Phe	Val	Tyr	Leu	Ala	Pro	Thr	Met	Val	Leu																													
			180						185						190																													
Asn	Ser	Trp	Val	Leu	Gly	Lys																																						
			195																																									
<210>	162																																											
<211>	213																																											
<212>	PRT																																											
<213>	Homo sapiens																																											
<400>	162																																											
Tyr	Trp	Phe	Asn	Lys	Leu	Trp	Tyr	Asn	Gln	Ile	Met	Lys	Leu	Tyr	Ala																													
1				5						10						15																												
Phe	Val	Lys	Val	Thr	Phe	Gln	Lys	Asn	Ile	Leu	His	Arg	Ile	Thr	Asp																													
			20						25						30																													
Pro	Ser	Ala	Leu	Pro	Thr	Leu	Trp	Ala	Leu	Ser	Leu	Phe	His	His	His																													
			35						40						45																													
Tyr	Leu	His	His	Cys	Leu	Gln	Val	Phe	Tyr	Thr	Ala	Arg	Val	Gly	Leu																													
			50						55						60																													
Cys	Leu	Leu	Asn	Ser	Gln	Val	Lys	Arg	Gly	Arg	Lys	Leu	Thr	Pro	Ser																													
65				70						75						80																												
Gly	Gly	Ser	Leu	Gly	Met	Ile	His	Gly	Arg	Trp	Ser	Ile	Asn	Thr	Ser																													
			85						90						95																													
Ala	Leu	Phe	Pro	Leu	Glu	Ile	Leu	Arg	Asn	Gly	Phe	Tyr	Ile	Val	Ser																													
			100						105						110																													
Gln	Ser	Phe	Leu	Lys	Val	Leu	Asn	Phe	Asn	His	Pro	Gln	Gly	Trp	Ala																													
			115						120						125																													
Leu	Ser	Tyr	Thr	Ser	Phe	Val	Ala	Ser	Leu	Pro	Ser	Cys	Leu	Thr	Ser																													
			130						135						140																													

Pro Phe Gln Thr Arg Ile Tyr Phe Phe Ser Leu Lys Gln Asn Lys Met
 145 150 155 160
 Phe Asn Leu Lys Pro Leu Gln Asn Thr Asn Leu Tyr Leu Lys Asn Leu
 165 170 175
 Asn Ile Gly Glu Asn Glu Thr Val Tyr Ala Gln Val His Asp Trp Trp
 180 185 190
 Arg Leu Lys Ser Ser Lys Ile Phe Leu Lys Gly Tyr Pro Ser Arg Arg
 195 200 205
 Leu Asn Cys Leu Ile
 210
 <210> 163
 <211> 236
 <212> PRT
 <213> Homo sapiens
 <400> 163
 Leu Ala Ser Glu Ser Leu Leu Val Arg Lys Glu Val Val Leu Phe Pro
 1 5 10 15
 Leu Gln Ala Lys Ala Phe Gln Val Leu Ser Phe Cys Ser Ile Lys Arg
 20 25 30
 Gln Leu Arg Gly Arg Tyr Pro Gln Glu Phe Pro Asp Ser Cys Thr Asp
 35 40 45
 Leu Ser Ala Glu Ile Ala Glu Val Ser Trp His Leu His Glu His Leu
 50 55 60
 Ser Val Ala Gly Arg Ile Asn Gly Lys Arg Ala Thr Glu Ile Pro Gly
 65 70 75 80
 Ala Lys Ser Ser Ser Glu Ser Pro Ile Phe Asp Gln Glu Leu Val Gly
 85 90 95
 Ser Leu Arg Ile Cys Ile Ser Ser Asp Ser Arg Leu Ser Gly Leu Ser
 100 105 110
 Asn Trp Asp Gln Ser Asn Ser Tyr His Ala Tyr Leu Val Pro Gly Ser
 115 120 125
 Leu Leu Arg Ala Ser Trp Thr Pro Ala Arg Val Ser Pro His Ser Asn
 130 135 140
 His Met Arg Tyr Val Leu Leu Leu Ser Pro Cys Ala Asp Glu Asp Thr
 145 150 155 160
 Arg His Arg Glu Asn Trp Pro Gln Val Tyr Ser Trp Gly Gly Gln Ser
 165 170 175
 Gln Asn Ser Asp Leu Gly Cys Leu Gly Cys Glu Leu Val Trp Ala Ser
 180 185 190

Met Gly His Arg Gly Arg Ile Ser Trp Arg Ser Arg Thr Glu Gly Lys
195 200 205

Arg Asp Glu Ile Ser Asp Ser Ala Gly Ser Glu Thr Leu Ser Ala Met
210 215 220

Ile Lys Pro Asp Tyr Gly Thr Cys Phe Ser Leu Ser
225 230 235

<210> 164

<211> 193

<212> PRT

<213> Homo sapiens

<400> 164

Phe Gln Asp Ile His His Arg Cys Gly Arg Gly Lys Lys Thr Met Gly
1 5 10 15

Met Gly Ile Leu Pro Phe Ile Asn Thr Gly His Phe Asn Leu Leu Asn
20 25 30

Leu Ser Thr Phe Cys Asn Leu Arg Ile Phe Ile Leu Asp Ser Trp Thr
35 40 45

Lys Ala Leu Glu Met Ala Ser Phe Ala Arg Phe Leu Cys Ala Leu Glu
50 55 60

Lys Ile Pro Gly Phe Asn Ala Lys Asn Arg Gln Gln Arg Ala Gln Glu
65 70 75 80

Met Glu Leu Ser Gly Val Leu Leu Gln Leu Arg Thr Val Cys Tyr Ser
85 90 95

Pro Phe Lys Ile Ser Pro Asn Leu Tyr Leu Met Val Lys Asp Val Phe
100 105 110

Phe Phe Leu Leu Glu Glu Lys Val Thr Arg Ile His Gly Ser Gly Leu
115 120 125

Ile Val Leu Leu Leu Met Glu Ile His Lys Gln Phe Leu Lys Tyr Ser
130 135 140

Leu Ala Ser Glu Leu Val Trp Asn Leu Ala Val Tyr Leu Leu Asp Trp
145 150 155 160

Val Thr Thr Ala Val Ala Gly Ser Ile His Tyr Thr Arg Leu Cys Ile
165 170 175

Ser Met Met Ile Val Lys Phe Cys Glu Lys Val Leu His Leu Cys Ser
180 185 190

Leu

<210> 165

<211> 199
 <212> PRT
 <213> Homo sapiens

<400> 165

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Leu Phe Ser Ala Phe Ser Leu Ile Leu His Leu Thr Gly Leu Val Val
1           5           10           15

Asn Ile Leu Lys Val Tyr Val Leu Ile Lys Thr Ser Ser Phe Pro Lys
          20           25           30

Glu Lys Lys Ser Gln Phe Gly Leu Val Ser Leu Ser Cys Phe Leu His
          35           40           45

Leu Thr Asn Val Ser Phe Ile Tyr Ser Phe Cys Ser Val Thr Phe Arg
          50           55           60

Met Ile Leu Met Gly Lys Asn His Gly Ser Tyr Lys Gln Pro Phe Lys
65           70           75           80

Thr Ile Val Ile Leu Cys Ser Val Asp Ser Gly Arg Gly Phe Lys Val
          85           90           95

Ile Ile Ser Leu Lys His Cys Val Asn Ile Pro Pro Thr Val Val Pro
          100          105          110

Leu Gly Thr Gly Lys Ile Gln Asn Trp Pro Ala Ser Ser Leu Thr Arg
          115          120          125

Val Ile Lys Val Arg Leu Leu Tyr Ile Lys Gln His Leu Asn Ala Trp
          130          135          140

Cys Val Ala Ala Gly Lys Gln Pro Arg Ser Pro Ser Cys Ile Arg Gly
145           150           155           160

Leu Met Asn Val Ser Ile Ala Val Phe Ala Val Thr Arg Ser Gly Arg
          165          170          175

Val Phe Pro Ser Ser Leu Asp Cys Leu Pro Met His Thr Gly Val Cys
          180          185          190

Ile Gly Lys Gln Ser Arg Leu
          195

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<210> 166
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 166

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Ile Trp Cys Phe His Arg Leu Lys Gly Leu Arg Cys Pro Pro Val Ala
1           5           10           15

Val Ala Cys Gly Ser Leu Cys Ser Cys Leu Pro Ser Trp Ala Gln Tyr
          20           25           30

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Leu Val Leu Cys Leu Gly Phe Thr Asn Ala Thr Asn Thr Tyr Ala Pro
 35 40 45
 Thr Leu Cys Gln Val Leu Cys Tyr Met Leu Arg Lys Gln Cys Thr Arg
 50 55 60
 Trp Ile Arg Phe Ser Ser Leu Trp Cys Pro Ser Ser Gly Lys Asp Arg
 65 70 75 80
 Leu Ser Val Phe Tyr Gly Gln Ala Tyr Arg Ala Lys Lys Thr Cys Val
 85 90 95
 Gly Met Gly Gln Gly Arg Tyr Pro Trp Ser Ser Pro Val Thr Gly Ile
 100 105 110
 Arg Leu Arg Val Ile Val Gly Arg Ala Leu Gln Ala Gly Gly Ser Ala
 115 120 125
 Cys Ala Arg Val Leu Arg Lys Glu Gly Glu Gln Cys Val Arg Asn Ile
 130 135 140
 Thr Val Val Ala Thr Gln
 145 150

 <210> 167
 <211> 218
 <212> PRT
 <213> Homo sapiens

 <400> 167

 Ile Ile Ile Arg Ile Ile Arg Ile Leu Lys Tyr Pro Asn Asn Gln Val
 1 5 10 15
 Asn Lys Ala Thr Phe Tyr Gly Ile Ile His Phe Cys Phe Glu Lys Tyr
 20 25 30
 Thr Leu Phe Lys Tyr Tyr Cys Leu Phe Thr Gln Leu Leu Glu His Ser
 35 40 45
 Ser Ala Lys Ala Phe Met Ile Phe Thr Asn Leu Ala Phe Ile Phe Ala
 50 55 60
 Leu Leu Ser Thr Ile Thr Lys Val Ile Thr Thr Cys Ser Pro Thr Asn
 65 70 75 80
 Tyr Ser Asp Gly Ala Leu Arg Ile Asp Leu Tyr Leu Asn Ile Leu Trp
 85 90 95
 Tyr Gln Val Phe Leu His Ser Ser Arg Ile Phe His Phe Ala Tyr Ile
 100 105 110
 Leu Met Met Ser Ser Arg Ile Ser Ser Leu Thr Tyr Leu Ala Asn Tyr
 115 120 125
 Lys Tyr Val Ile Phe Val Lys Tyr Leu Arg Val Cys Ser Ala Ile Tyr

130		135		140
Leu Val Ile Leu Asn Gln Ile Leu Asn Val Tyr Thr Phe Leu Met Tyr				
145		150		155 160
Asn Phe Gln Phe Phe Arg Met Arg Leu Asn Asn Cys Pro Tyr Tyr Ser				
	165		170	175
Phe Ile Thr Thr Leu Ile Tyr Leu Leu Tyr Leu Gln Met Ile Tyr Lys				
	180		185	190
Asn Ala Phe Leu Tyr Leu Ser Leu Ser Gln Val Leu His Ser Glu Leu				
	195		200	205
Phe Phe Leu Phe Val Phe Leu Arg Tyr Ile				
210		215		
<210> 168				
<211> 204				
<212> PRT				
<213> Homo sapiens				
<400> 168				
Tyr Cys Glu Leu Arg Cys Tyr Ile Ser Glu Cys Asn Glu Trp Asp Ile				
1	5		10	15
Ala His Trp Leu Glu Lys Pro Pro Lys Gln Ala Ala Ser Ala Ile Glu				
	20		25	30
Leu Leu Ala Trp Ser Arg His Ser Ala Ser Gly His Gly Asp Asn Ser				
	35		40	45
Ser Glu Ile Asn Ser Ser Thr Lys Val Ser Asn Asp Val Ile Ser Ser				
	50		55	60
Gln Arg Gln Gly Cys Pro Val Lys Gln Thr Asp Gly Gln Ser Pro Pro				
65	70		75	80
Arg Leu Lys Gly Gly Gly Glu Thr Gly Arg Lys Arg Met Arg Trp Val				
	85		90	95
Arg Lys Arg Tyr Asn Leu Arg Val Thr Met Ser Ser Cys Ser Pro Arg				
	100		105	110
Trp Gln Trp Val Gly Gly Pro Gly Lys Asp Cys Phe Arg Gln Met Glu				
	115		120	125
Gln Cys Met Arg Arg Ser Arg Glu Lys Ser Gln Ile Val Cys Ile His				
	130		135	140
Val Leu Gln Asn Arg Glu Ser Asn Arg Tyr Leu Gly Lys Lys Lys Glu				
145	150		155	160
Val Ser Leu Phe Leu Ser Leu Lys Val Gln Lys Trp Ala Phe Pro Gln				
	165		170	175

Phe Ile Cys Gln Pro His Glu Val Phe Thr Asp Leu Asp Leu Leu Ile
180 185 190

Ser Cys Tyr Phe Ile Thr Leu Leu Glu Leu Leu Pro
195 200

<210> 169
<211> 158
<212> PRT
<213> Homo sapiens

<400> 169

Lys Val Leu Ile Phe Val Leu Arg Pro Ile Tyr Thr Tyr Lys Cys His
1 5 10 15

Pro Ser Ile Phe Leu Cys Asn Phe Leu Ser Ala Gly Leu Pro Ser Leu
20 25 30

Met Cys Val Leu Tyr Phe Pro Tyr Ile Cys Tyr Pro Ile Thr Cys Phe
35 40 45

Tyr Asn Cys Leu Phe Tyr Phe Pro Phe Phe Ser His Cys Leu His Ala
50 55 60

Leu Phe Leu Val Leu Asn Ser Ile Thr Leu Ile His Cys Ser Ser Asn
65 70 75 80

Phe Ile Leu Asn Asn Phe Pro Ile Tyr Leu Asp Ile Tyr Leu Asn Val
85 90 95

His Ile Ser Pro Leu Ile Glu Val Cys Leu Val Ile Phe Gly Met Met
100 105 110

Leu Asn Leu Phe Leu Trp Lys Gly Thr Asn Thr Cys Met Phe Met His
115 120 125

Val Gln Lys Cys Ser His Arg Met Ile Ile Lys Ala Asp Leu Gly Lys
130 135 140

Lys Thr Ser Leu Ile Phe Ile Phe His Ile Arg Phe Phe Glu
145 150 155

<210> 170
<211> 198
<212> PRT
<213> Homo sapiens

<400> 170

His Gln Asn Ser Pro Ile Tyr Leu Arg Ile Asn Val Asn Phe Glu Phe
1 5 10 15

Asp Ile Thr Met Ile Lys Gly Ala Leu Ile Phe Ser Arg Ser Tyr Lys
20 25 30

Ile Phe Val Asn Glu Leu Ile Gly Arg Ile Cys Leu Leu Lys Ser Glu

35	40	45
Val Gly Gly Glu Leu Lys Leu Gly Leu Ile Gly Asn Tyr Ile Trp Val		
50	55	60
Met Asn Ala Trp Gly Phe Ile Ile Pro Leu Pro Leu Pro Leu Ser Val		
65	70	75 80
Phe Glu Leu Cys His Cys Glu Asn Ile Val Leu Lys Ala Val Leu Phe		
	85	90 95
Phe Leu Leu Arg Gly Ser Lys Lys Ser Lys Lys Tyr Thr Gly Leu Ile		
	100	105 110
Glu Tyr Val Cys Ser Asn Lys Ile Pro Gly Phe Ser Phe Val Leu Ala		
	115	120 125
Ser Arg Asn Gln Val Gln Phe Val Ser Lys Asp Phe Ala Thr Cys Gly		
	130	135 140
Gly Lys Leu Leu Gln Asp Leu Ile Val His Ser Gln Arg Leu Ser Ala		
	145	150 155 160
Ala Arg Gln Ala Ala Phe Tyr Glu Asn Asp Asn Gln Lys Ala Gly Ala		
	165	170 175
Leu His Thr Gly His Ser Ser Asn Glu Ser Trp Asp Leu Asp His Gly		
	180	185 190
Ser Leu Thr Trp Ala Ala		
	195	

<210> 171
 <211> 176
 <212> PRT
 <213> Homo sapiens

<400> 171

Leu Lys Val His Val Leu Ile Tyr Ile His Gln Ile Thr Thr Thr Ser	
1	5 10 15
Ser Phe Leu Phe Ile Ser Leu Leu Pro Phe Ile Ser Phe Ile His Met	
	20 25 30
Leu Ser Leu Asn Thr Leu Leu Leu Leu Thr Val Ile Phe Gln Ile	
	35 40 45
Ser Glu Lys Asn Leu Ile Leu Pro Tyr Ser Thr Phe Leu Met Leu Phe	
	50 55 60
Leu Phe Tyr Ala Val Leu Phe Asp Ile Ser His Arg Ala Gly Gln Leu	
65	70 75 80
Ala Met Asn Tyr Ser Ser Phe Val Cys Gln Lys Ile Ser Leu Phe Leu	
	85 90 95

Ile Arg Ile Ile Leu Leu Asn Ala Glu Phe Gly Ser Phe Phe Val Ala
 100 105 110
 Thr Leu His Val Phe Ser Phe Leu Cys Val Cys Met Val Ser Glu Glu
 115 120 125
 Lys Asp Asn Val Ile Leu Ile Leu Phe Pro Leu Trp Ile Arg Cys Trp
 130 135 140
 Leu Phe Pro Leu Ser Ser Phe Phe Gln Asp Phe Leu Phe Ser Leu Val
 145 150 155 160
 Phe Cys Ser Leu Asn Met Ile Cys Leu Gly Gly Asp Leu Asp Leu Leu
 165 170 175
 <210> 172
 <211> 195
 <212> PRT
 <213> Homo sapiens
 <400> 172
 Ala Tyr Arg Ile Ser Thr Thr Val Phe Ala Lys Glu Lys Ser Val Val
 1 5 10 15
 Ile Lys Phe Ile Leu Trp Leu Asn Tyr Val Leu Gln Phe Val Gly Pro
 20 25 30
 Val Thr Cys Gly Arg Gln Arg Ala Val Gly His Ser Val Lys Ala Thr
 35 40 45
 Thr Arg Val Leu Ser Ile Glu Ser Leu Cys Ile Met Val Leu Ala Arg
 50 55 60
 His Cys Ser Leu Thr Ser Ile Phe Leu Ser Gln Ser Ser Leu Arg Asn
 65 70 75 80
 Ala Cys Ser Thr Gly Leu Ile Ile Leu Thr Glu Thr Ser Gly His Phe
 85 90 95
 Met Ser Tyr Gly Met Leu Ala Glu Asp Ile Lys His Arg Cys Val Gly
 100 105 110
 Ile Gly Gly Glu Ser Thr Ala Ile Phe Gln Leu Gly Ala Pro Trp Phe
 115 120 125
 Pro Glu Ile Gln Ser His Gly Val Asn Gln Thr Pro Leu Ser Gly Ala
 130 135 140
 Leu Cys Ser Thr Gln Asp Pro Thr Leu Ser Gly Lys Leu Lys Thr Lys
 145 150 155 160
 Ser Leu Leu Tyr Ile Arg Phe Ile Lys Asn Ala Thr Ile Thr Lys Ser
 165 170 175
 Leu Trp Ala Cys Val Glu Asn Ala Val Ile Lys Leu Asn Ile Lys Ala
 180 185 190

Ser Ser Lys
195

<210> 173

<211> 225

<212> PRT

<213> Homo sapiens

<400> 173

Gln Arg Leu Thr Tyr Ser Asn Cys Ile Val Asp Trp Ala His Thr Leu
1 5 10 15

His Val Thr Asn Val Ser Asn Tyr Trp Ile Cys Thr Ala Leu Pro Ala
20 25 30

Gly Leu Arg Met Ala Cys Leu Gly Thr Tyr Ile Leu Cys Leu Gln Arg
35 40 45

Thr Gly His Gly Trp Arg Leu Gly Gly Pro Met Ala Asp Ala Trp Asn
50 55 60

Ala Thr Trp Gln Leu Trp Thr Lys Asp Ala Ala Arg His Met Val Cys
65 70 75 80

Pro Thr Pro Gly Trp Pro Ile Ala Phe Met Met Gly Leu Ala Ser Gly
85 90 95

Glu His Val Val Leu Pro Ala Gln Val Pro Gln Cys Ile Glu Gln His
100 105 110

Trp Gly Asn Thr Thr Val Gly Trp Val Pro Val Thr Ala Phe Ala Asn
115 120 125

Ile Thr His Val Thr Thr Lys Val Arg Pro Leu Thr Leu Cys Pro Leu
130 135 140

Gly Val Tyr Gly Ser Val Gly Thr Gln Ser Arg Phe Thr Tyr Pro Thr
145 150 155 160

Ala Leu Asp Ile Val Pro Gly Gly Gly Leu Met Cys Leu Pro Leu Phe
165 170 175

Ser Pro Cys Cys Pro Asp Ala Arg Ile Thr Gly Arg Cys Tyr Thr Leu
180 185 190

Ser Leu Cys Glu Cys Asn Glu Pro Pro Ala Val Leu Pro Phe Gly Ser
195 200 205

Asp Tyr Pro Trp Ser Gly Cys His Asn Cys Arg Ser Thr Gly Tyr Cys
210 215 220

Ser
225

<210> 174

<211> 169
 <212> PRT
 <213> Homo sapiens

<400> 174

Phe	Met	Ile	Gln	Gln	Ile	Lys	Cys	Gly	Asn	Tyr	Leu	Lys	Arg	Lys	Lys
1				5					10					15	
Lys	Asn	Ile	Trp	Glu	Ala	Ala	Glu	Met	Arg	Thr	Ile	Arg	Asn	Glu	His
			20					25					30		
Phe	Tyr	Phe	Leu	Ser	Phe	Leu	Asn	Gly	Ala	Ser	Asp	Ala	Val	Phe	Ile
		35					40					45			
Ala	Leu	Phe	Phe	Pro	Asn	Trp	Asn	Ile	Phe	Phe	Leu	Ile	Leu	Leu	Val
	50					55					60				
Tyr	Ser	Leu	Val	Thr	Lys	Lys	Val	Phe	Arg	Lys	Tyr	His	Asn	Phe	Pro
65					70					75				80	
Asn	Ser	Leu	Leu	Ser	Ala	Gly	Asp	Tyr	Glu	Tyr	Ile	Leu	Gln	Asn	Gly
				85					90					95	
Lys	Gly	Gly	Ser	Ser	Gly	Pro	Ala	Thr	Ile	Cys	Ile	Leu	Lys	Asp	Leu
			100					105						110	
Val	Glu	Leu	Lys	Ser	Gln	Arg	Lys	Trp	Glu	Glu	Leu	Ser	Lys	Tyr	Phe
		115					120					125			
Ile	Ile	Phe	Phe	Leu	Glu	Tyr	Gln	Val	Leu	Ile	His	His	Ile	Phe	His
		130					135					140			
His	Val	Ser	Lys	Ser	Phe	Phe	Leu	Lys	Lys	Val	Cys	Ile	Tyr	Ile	Ser
145					150					155					160
Lys	Arg	Val	Ser	Val	Val	Lys	Lys	Asn							
					165										

<210> 175
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 175

Glu	Asn	Thr	Tyr	Gly	Lys	Glu	Leu	Ser	Val	Arg	Phe	Gly	Ser	Gln	Ile
1					5					10				15	
Leu	Ile	Phe	Asn	Lys	Ile	Tyr	Ile	Cys	Ser	Pro	Cys	Thr	Lys	Gly	Asn
			20					25					30		
Ser	Thr	Glu	Ser	Met	Pro	Asn	Ser	Lys	Gly	Met	Thr	Leu	Asn	Leu	Tyr
		35					40					45			
Ser	Lys	Tyr	Ile	Gly	Pro	Ala	Ile	Leu	Cys	Gln	Met	Leu	Tyr	Leu	Tyr
		50				55					60				

Leu Ile Ala Thr Arg Thr Gly Asn Cys Ala Gln Leu His Leu Arg Thr
 65 70 75 80
 Val Ser Ile Leu Lys His Thr Ser Tyr Ser Ser Ser Asp Pro His Trp
 85 90 95
 Met Lys Leu Asn Gln Thr Lys Gln Lys Ser Tyr Leu Ser Pro Asn Asn
 100 105 110
 Glu Arg Val Cys Arg Met His Ile Val Arg Leu Thr Asp Pro Phe Arg
 115 120 125
 Gln Tyr Val Gly Phe Pro Arg Ile Leu Ser Ala Ser Lys Gln Phe Glu
 130 135 140
 Phe Ser Ser Ala Leu Met Ile Trp Phe Pro His Leu Asp Gly Pro Gly
 145 150 155 160
 Ser Asp Ala Arg Gly Pro His Glu Met Ser Trp Ala Phe Ile Gln Asp
 165 170 175
 Pro Val Ala Pro Ala Gln Glu Asn Arg Pro Leu Arg Val Ser Gly Ser
 180 185 190
 Glu Met Ala Ser Val Thr Arg
 195
 <210> 176
 <211> 204
 <212> PRT
 <213> Homo sapiens
 <400> 176
 Leu Phe Asn Phe Val Phe Val Ala Val Val Cys Ile His Val Cys Trp
 1 5 10 15
 Cys Pro Tyr Val Leu Phe Gly Val Trp Leu Phe Ser Gln Asn Gln Val
 20 25 30
 Thr Val Lys Ser Leu Asn Phe Ser Ile Ser Leu Leu Ser Ser Gly Thr
 35 40 45
 Val Thr Val Cys Leu Leu Leu Lys Ser Phe Val Phe Leu Thr Arg Gly
 50 55 60
 Glu Val Tyr Ser Thr Leu Thr Gly Leu Tyr Phe Gly Leu Arg Pro Tyr
 65 70 75 80
 Lys Thr Phe Leu Lys Ser Leu Ile Ile Cys His Ile Ile Lys Lys Leu
 85 90 95
 Tyr Gly Ile Phe Ser His Tyr Ile Leu Ala Thr Met Pro Val Tyr Ile
 100 105 110
 Ser Lys Gln Thr Ile Cys Gly Asn Asn Leu Lys Lys Lys Ala Ile Gly

115	120	125
Ser Lys Tyr Leu Ile Lys Tyr Pro Leu Glu Leu Asn Ile Ser Ser Cys		
130	135	140
Gly Ser Ser His Thr Lys Tyr Pro Thr Leu Leu Ser Phe Arg Val Leu		
145	150	155
		160
Ala Gly Thr Gly Ser Ile Lys Asp Asn Glu Leu Lys Lys Gly Thr Ile		
	165	170
		175
Tyr Lys Tyr Val Ala Arg Leu Gly Glu Thr Ser Lys Val Gly Asn Ala		
	180	185
		190
Ala Gln Asp Ser Asn Lys Ser Glu Asn Leu Phe Leu		
195	200	
<210> 177		
<211> 201		
<212> PRT		
<213> Homo sapiens		
<400> 177		
His Val Thr Leu Met Ser Thr Val Phe Ser Ser Val Ala Ser Thr Pro		
1	5	10
		15
Leu Pro Asn Ser Tyr Asp Asn Ser Ala Ser Gln Thr Tyr Gly Leu Arg		
	20	25
		30
Asn Pro Leu Lys Ser Gln Leu Val Met Thr Pro Lys Arg Phe Phe Ile		
	35	40
		45
Ile Ile Leu Tyr Ile Asn Ile Leu Leu Glu Val His Phe Tyr Glu Asn		
50	55	60
Asn Leu Phe Ser Lys Ile Ser Glu Lys Asn Ser Ile Ile Leu His Ile		
65	70	75
		80
Gly Ile Phe Leu Met Pro Gly Leu Ile Glu Asp Asn Ile Phe Met Ser		
	85	90
		95
Thr Ser Gly Phe Asp Leu Phe Gln Tyr Val Ser Leu Val Glu Ile His		
	100	105
		110
Glu Gly Asn Leu Gly Ser Ser Asp Ile Leu Glu Lys Gly Gly Val Phe		
115	120	125
Gln Pro Phe Trp Thr Thr Val Asp Ile Val Leu Tyr Tyr Asn Lys Thr		
130	135	140
Gly Glu Val Val Gly Ser Lys Leu Val Ala Thr Trp Asn Leu Lys Pro		
145	150	155
		160
His His Glu Leu Phe Val Ile Trp His Ile Lys Ile Tyr Leu Ser Ile		
	165	170
		175

Leu His Phe Glu Trp Asp Pro Leu Leu Met His Leu Phe Val Thr Ile
180 185 190

Ile Ser Asn Thr Leu Val His Val Met
195 200

<210> 178

<211> 216

<212> PRT

<213> Homo sapiens

<400> 178

Ile Lys Ile Pro Ala Val Lys Leu Asp Ser Ala Cys Leu Gly Ile Phe
1 5 10 15

Lys Arg Ile Met Tyr Arg Gly Cys His Gly Asn Ser Ser Ser Gly Asn
20 25 30

Ser Val Pro Phe Val Lys Thr Leu Lys Gly Glu Asp Lys Gln Phe Gly
35 40 45

Glu Ile Thr Ala Pro Glu Ile Glu Phe Ile Cys Asn Leu Gly Ser Leu
50 55 60

Val Cys Leu Pro Ala Ile His His Val Asp Glu Lys Gln Lys Asp Lys
65 70 75 80

Lys Asp Ser His Phe Lys Ala Pro Asn Cys Gln Phe His Ser Ile Ala
85 90 95

Asp Ser Gln His Arg Arg Lys Trp Asp Asn Ala Gly Arg His Tyr His
100 105 110

Arg Thr Val Ser Ser Lys Glu Lys Pro Asn Cys Tyr Phe Ser Met Ala
115 120 125

Glu Gly Gly Cys Phe Pro Arg Gly Arg Ile Leu Phe Asn Pro Val Arg
130 135 140

Ala Gln Leu Gln Pro Ser Val Thr Gly Gln Leu Pro Pro Ser Asn Pro
145 150 155 160

Glu Gly Arg His Glu Pro Tyr Ser Arg Thr Gly Ala Cys Ser Leu Leu
165 170 175

Ser Thr Ser Cys Thr Phe Arg Ala Pro Ala Trp Asp Ala Glu Asn Ser
180 185 190

His Pro Ser Arg Ala Ala Glu Asp His Met Thr Asp His Gln Leu Phe
195 200 205

Leu Thr His Leu Ser Thr Thr Thr
210 215

<210> 179

<211> 189

<212> PRT
<213> Homo sapiens

<400> 179

Ser	Gln	Asn	Phe	Asp	Leu	Thr	Asn	Gln	Arg	Gly	Gly	Leu	Val	Phe	Phe
1				5					10					15	
Tyr	Leu	Leu	Ser	Ala	Phe	Cys	Phe	Arg	Leu	Leu	Asn	Leu	Tyr	Ile	Lys
			20					25					30		
Thr	Cys	Tyr	Thr	His	Leu	Ala	Val	Phe	Phe	Phe	Ala	Ala	Val	Thr	Ser
		35					40					45			
Phe	Trp	Leu	Arg	Phe	Phe	Phe	Lys	Lys	Met	Tyr	Lys	Thr	Leu	Gly	Leu
	50						55					60			
Ile	His	Cys	Ser	Phe	Phe	Val	Leu	Ile	His	Pro	Gln	Glu	Arg	Lys	Trp
65						70				75				80	
Leu	Ser	Leu	Tyr	Val	Phe	Lys	Gly	Leu	Cys	Glu	Leu	Leu	Lys	Ala	Ser
				85					90					95	
Val	Thr	Ala	Arg	Thr	Ser	Val	His	Lys	Gln	Val	Gln	Asp	Ala	Ala	Glu
			100					105					110		
Gly	Val	Ser	Ser	Leu	Thr	Glu	Arg	Gly	Ile	Glu	Leu	Phe	Arg	Met	Phe
		115					120					125			
Cys	Val	Gly	Thr	Asp	Arg	Leu	Lys	Ala	Thr	Asp	Leu	Met	Glu	Val	Trp
	130					135					140				
Ser	Phe	Gln	Gln	Met	Ser	Ser	Asn	Leu	Thr	Asn	Leu	Asp	Leu	Val	Phe
145					150					155					160
Pro	His	Gly	Pro	Arg	Ser	Ala	Ile	Leu	Phe	Phe	Cys	Leu	His	Leu	Ile
				165					170					175	
Ser	Tyr	Ala	His	His	Cys	Ala	Asn	Ser	Arg	Leu	Phe	Ser			
			180					185							

<210> 180
<211> 157
<212> PRT
<213> Homo sapiens

<400> 180

Val	Ala	Ile	Cys	Gln	Val	Pro	Thr	Asp	Ile	Pro	Asn	Ile	Arg	Leu	Thr
1				5					10					15	
Pro	Ser	Asn	Gln	His	Pro	Glu	Phe	Lys	Val	Cys	Ile	His	Phe	Leu	Tyr
			20					25					30		
Phe	Tyr	Cys	Ile	Arg	Ile	Ser	Leu	Asn	Ser	Ser	Val	Phe	Ser	Thr	Phe
		35					40					45			

Ile Tyr Gln Pro Tyr Leu Pro Phe Cys Asn Leu Leu Phe Ser Val Ser
 50 55 60
 Ile Ile Phe Met Arg Leu Met His Ile Ala Val Tyr Ser Phe Leu Leu
 65 70 75 80
 Leu Tyr Asn Ser Val Ile Pro Gly Met Gly Arg Gly Asn Trp Phe Gln
 85 90 95
 Asp Leu Cys Gly Leu Gln Asn Pro Ser Met Phe Lys Ser Leu Ile Asn
 100 105 110
 Glu Ala Val Leu Ala Tyr Asn Leu Cys Thr Phe Leu Arg Thr Leu Ser
 115 120 125
 Lys Cys Tyr Val Asn Gly Cys Phe Val Ile Cys Ile Ile Phe Ile Val
 130 135 140
 Met Phe Phe Leu Leu Phe Ser Pro Glu Phe Phe Phe Phe
 145 150 155
 <210> 181
 <211> 219
 <212> PRT
 <213> Homo sapiens
 <400> 181
 Val Thr Leu Val Cys Tyr Ser Leu Met Val Arg Ser Leu Ile Lys Pro
 1 5 10 15
 Glu Glu Asn Leu Met Arg Thr Gly Asn Thr Ala Arg Ala Arg Ser Ile
 20 25 30
 Arg Thr Ile Leu Leu Val Cys Gly Leu Phe Thr Leu Cys Phe Val Pro
 35 40 45
 Phe His Ile Thr Arg Ser Phe Tyr Leu Thr Ile Cys Phe Leu Leu Ser
 50 55 60
 Gln Asp Cys Gln Leu Leu Met Ala Ala Ser Val Ala Tyr Lys Ile Trp
 65 70 75 80
 Arg Pro Leu Val Ser Val Ser Ser Cys Leu Asn Pro Val Leu Tyr Phe
 85 90 95
 Leu Ser Arg Gly Ala Lys Ile Glu Ser Gly Ser Ser Arg Asn Gly Arg
 100 105 110
 Thr Ser Trp Val Ser Ile Gln Leu Gly Gly Arg Asp Ala Gln Gly Thr
 115 120 125
 Asp Leu Gly Asn Ala Lys Val Lys Leu Gly Lys Asn Glu Leu Gln His
 130 135 140
 His Gln Gln Leu Val Cys Thr Gln Met Ser Ala Gly Gly Arg Gly Ala
 145 150 155 160

Gln Asp Leu Leu Lys Val Ser Cys Cys Lys Gly His Phe Tyr Ile Asp
165 170 175

Val Lys Val Asn Lys Ser Met Glu Arg Ala Thr Lys Thr Lys Glu Asn
180 185 190

Phe Leu Lys Glu Ser His Trp Ser Leu Val Ile Gln Val Ser Ala Gln
195 200 205

Met Ser Pro Leu Arg Asp His Ser Cys Pro Pro
210 215

<210> 182

<211> 181

<212> PRT

<213> Homo sapiens

<400> 182

Gln Gly Glu Gly Gly Thr Gly Tyr Lys Arg Ser Ala Ala Ala Ala Pro
1 5 10 15

Ala Glu Ser Arg Arg Ala Gln His Ser Cys Pro Leu Asp Pro Ala Asp
20 25 30

Pro Ser Arg Ala Pro Ser Val Pro Gln Ala Gln Pro Pro Gly Gly Arg
35 40 45

Ala Gln Gly Ser Pro Gly Arg Cys Gln Gly Ala Ile Leu Glu Gly Gly
50 55 60

Arg Glu Glu Glu Val Arg Ala Ala Met His Thr Val Ala Thr Ser Gly
65 70 75 80

Pro Asn Ala Ser Trp Gly Ala Pro Ala Asn Ala Ser Gly Cys Pro Gly
85 90 95

Cys Gly Ala Asn Ala Ser Asp Gly Pro Val Pro Ser Pro Arg Ala Val
100 105 110

Asp Ala Trp Leu Val Pro Leu Phe Phe Ala Ala Leu Met Leu Leu Gly
115 120 125

Leu Val Gly Asn Ser Leu Val Ile Tyr Val Ile Cys Arg His Lys Pro
130 135 140

Met Arg Thr Val Thr Asn Phe Tyr Ile Gly Glu Cys Gly Pro Leu Arg
145 150 155 160

Arg Thr Cys Cys Arg Pro Gly Gly Leu Arg Gly Pro Ser Gly Leu Gly
165 170 175

Arg Pro Leu Ala Thr
180

<210> 183

<211> 227
 <212> PRT
 <213> Homo sapiens

<400> 183

Ile	Ile	Leu	Gln	Asp	Asn	Leu	Lys	Gln	Tyr	Leu	Val	His	Ile	Asn	His
1			5					10						15	
Phe	Ile	Ser	Ala	Gly	Leu	Leu	Ser	Phe	Glu	Asn	Tyr	Phe	Tyr	His	Leu
			20					25					30		
Leu	Leu	Ala	Thr	Val	Asn	Leu	Ser	Asn	Leu	Val	Ser	His	His	Ser	Leu
		35					40					45			
Ile	Pro	Cys	Ser	Ala	Leu	Val	Thr	Met	Asn	Leu	Ser	Leu	Leu	Leu	Lys
	50					55					60				
Tyr	Ala	Ile	Tyr	His	Val	Phe	Phe	Phe	Pro	Phe	Ser	Leu	Pro	Glu	Ala
65					70					75				80	
His	Thr	Pro	Ser	Leu	Gly	Trp	Leu	Lys	Ser	His	Asn	Leu	Thr	Phe	Gly
				85					90					95	
Leu	Thr	Phe	Tyr	Asn	Ser	Leu	Tyr	Gln	Pro	Gln	Asn	Met	Ala	Trp	Val
			100					105					110		
Met	Leu	Ala	Leu	Thr	Val	Leu	Asp	Phe	Ser	Asp	Pro	Ser	Leu	Leu	Ile
		115					120					125			
Tyr	Gln	Pro	Leu	Ser	Arg	Ser	Phe	Gly	Thr	Tyr	Ser	Asp	Phe	His	Thr
	130					135					140				
Pro	Glu	Leu	Phe	Ala	Ile	Leu	Phe	Ile	Trp	Lys	Ser	Tyr	Trp	Val	Ile
145					150					155				160	
Phe	Leu	Phe	Lys	Tyr	Asn	Leu	Ile	Ile	Thr	Pro	Leu	Val	Tyr	Leu	Ala
			165						170					175	
Leu	Ser	Cys	Ser	Leu	Tyr	Phe	Pro	Cys	Pro	His	Leu	Asn	Ser	Leu	Thr
			180					185					190		
Gly	Glu	Ile	Asn	Tyr	Arg	Tyr	Thr	Lys	Gly	Pro	Asp	Ser	Lys	Arg	Asn
		195					200					205			
Ile	Gly	Lys	Ile	Ser	Ser	Pro	Ser	Gln	Pro	Gly	Tyr	Gln	Ile	Lys	Asp
	210					215					220				
Arg	Arg	Leu													
225															

<210> 184
 <211> 191
 <212> PRT
 <213> Homo sapiens

<400> 184

Pro Pro Thr Asp Ile Ser Val Cys Cys Ser Asp Gln Val Leu Gly His
 1 5 10 15
 His Gln Cys Pro Val Val Met Gly His Leu Lys Leu Tyr Leu Tyr Pro
 20 25 30
 Ser Ala Leu Leu Leu Asp Leu Leu His His Leu Leu His Met Asp Leu
 35 40 45
 Leu His Phe Gly Cys Val Val His His Leu His Thr Leu Pro Asn Lys
 50 55 60
 Asn Ile Gln Lys Pro Ser Ser Gln His His Cys Pro Gly His His Ser
 65 70 75 80
 Ser Leu Phe Phe Leu Asn Pro Ser Leu His Glu Arg Gln Arg Arg Leu
 85 90 95
 Thr Gly Ser Pro Leu Leu Val Asn His Met Lys Ile Lys His Ala Tyr
 100 105 110
 Ser Val Leu Val Gln Gln Glu Ile Tyr Phe Gln Thr Arg Lys Ala Thr
 115 120 125
 Glu Thr Leu Gly Ile Ile Leu Gly Ala Phe Ile Ile Cys Trp Leu Pro
 130 135 140
 Leu Phe Ile Val Ser Leu Pro Ala Lys Ile Pro Pro Tyr Asp Ile Phe
 145 150 155 160
 Ile Leu Leu Ser Phe Phe Phe Phe Phe Phe Leu Ile Pro Ser Leu Thr
 165 170 175
 Leu Val Ser Gln Ala Arg Met Gln Trp Tyr Asn Leu Ser Ser Leu
 180 185 190
 <210> 185
 <211> 76
 <212> PRT
 <213> Homo sapiens
 <400> 185
 Ile Leu Pro Ala His Leu Ile Pro Leu Gly Lys Leu Trp Cys Cys Leu
 1 5 10 15
 Ser Arg Thr Glu Ala Glu Gly Trp Leu Ser Pro Thr Gly Ser Tyr Ser
 20 25 30
 Leu Asn Ser Ala Ser Ser Pro Arg Leu Gly Glu Thr Thr Trp Gly His
 35 40 45
 Arg Val Phe Ala Arg Cys His Phe Ala Phe Gln Thr Arg Ser Trp Ser
 50 55 60
 Ser Gly Phe Arg Leu Gly Leu Trp Asn Ser Gly Ala

Thr Ala Trp Ser Gly Cys Asp Pro Phe Gly Tyr Arg Arg Gly Trp Trp
 115 120 125
 Thr Ser Gln Val Gly Arg Ser Ser Leu Asp Glu Arg Pro Arg Thr Ile
 130 135 140
 His Arg Arg Ala Gln Glu Ser Leu Leu Ser Pro Ser Asn Ser Thr Glu
 145 150 155 160
 Pro Ala Val Asn Cys Trp Leu Leu Pro Val Thr Phe Pro Cys Pro Tyr
 165 170 175
 Phe His Ser Leu Glu Ala Ala Arg Thr Thr Ala Gly Trp Pro Trp Pro
 180 185 190
 Leu Pro
 <210> 188
 <211> 178
 <212> PRT
 <213> Homo sapiens
 <400> 188
 Ser Phe Ser Leu Gly Asn Phe Val Val Ala Ser Leu Tyr Ser Cys Cys
 1 5 10 15
 Phe Asn Asn Phe Val Leu Phe His Ser Phe Thr Val Thr Val Cys Val
 20 25 30
 Asp Ser Phe Ser Ser Ser Val Lys Ile Met Ser Pro Glu Ser Ser Phe
 35 40 45
 Ile Thr Leu Asp Arg Thr Arg Thr Leu Ser Ile Lys Ser Met Leu Phe
 50 55 60
 Val Ile Thr Glu Gln Phe Ser Ala Val Ile Ser Leu Ile Val Thr Phe
 65 70 75 80
 Leu Phe Ile Pro Phe Ser Leu Ser Lys Met Pro Leu Phe Val Tyr Trp
 85 90 95
 Ser His Arg Ser Glu Ile Cys Glu Phe Ala Ile His Val Ser Tyr Leu
 100 105 110
 Phe Ala Asn Gly Phe His Val Ser Lys Ser Leu Phe Ser Ile Val Arg
 115 120 125
 Tyr Tyr Leu Tyr Cys Phe Val Gln Asn Ile Asn Leu Val Leu Phe Ile
 130 135 140
 Asp Tyr Ser Leu Val Leu Leu Leu Asn Phe Ile Gln Glu Cys Val Phe
 145 150 155 160
 Leu Ser Asp Tyr Phe Phe Leu Pro Asn Cys Ile Phe Leu Arg Gly Leu

165

170

175

Ile Ile

<210> 189

<211> 76

<212> PRT

<213> Homo sapiens

<400> 189

Pro Arg Glu Ala Lys Arg Leu Asp Ile His Ala Pro Leu Leu Ser Leu
1 5 10 15

Pro Asp Cys His Leu Leu Met Ala Ala Ser Val Ala Tyr Lys Ile Trp
20 25 30

Arg Pro Leu Gly Ser Val Ser Asn Cys Leu Asn Pro Leu Leu Tyr Phe
35 40 45

Leu Ser Arg Gly Ala Lys Phe Glu Ser Gly Ser Ser Arg Asn Gly Arg
50 55 60

Thr Ser Trp Val Ser Ile Gln Leu Gly Gly Arg Asp
65 70 75

<210> 190

<211> 189

<212> PRT

<213> Homo sapiens

<400> 190

Ser Leu Val Ile Leu Val Cys Tyr Ser Leu Met Val Arg Ser Leu Ile
1 5 10 15

Lys Pro Glu Glu Pro His Glu Val Gln Ala Thr Gln Pro Glu Pro Gly
20 25 30

Pro Ser Gly Thr Ile Leu Leu Val Cys Gly Leu Phe Thr Leu Cys Phe
35 40 45

Val Pro Phe His Ile Thr Arg Ser Phe Tyr Leu Thr Ile Cys Phe Leu
50 55 60

Leu Ser Gln Asp Cys Gln Leu Leu Met Ala Ala Ser Val Ala Tyr Lys
65 70 75 80

Ile Trp Arg Pro Leu Val Ser Val Ser Ser Cys Leu Asn Pro Val Leu
85 90 95

Tyr Phe Leu Ser Arg Gly Ala Lys Ile Glu Ser Gly Ser Ser Arg Asn
100 105 110

Gly Arg Thr Ser Trp Val Ser Ile Gln Leu Gly Gly Arg Asp Ala Gln
115 120 125

Gly Thr Asp Leu Gly Asn Ala Lys Val Lys Leu Gly Lys Asn Glu Leu
 130 135 140
 Gln His His Gln Gln Leu Val Cys Thr Gln Met Ser Ala Gly Gly Arg
 145 150 155 160
 Gly Ala Gln Asp Leu Leu Lys Val Ser Cys Cys Lys Gly His Phe Tyr
 165 170 175
 Ile Asp Val Lys Val Asn Lys Ser Met Glu Arg Ala Thr
 180 185
 <210> 191
 <211> 208
 <212> PRT
 <213> Homo sapiens
 <400> 191
 Ser His Ile Ser Pro Gly Thr Gly Cys Leu Ser Leu Pro Ala Ile Val
 1 5 10 15
 Trp Ala Leu Ala Gly Ser Ser Pro Trp Glu Met Trp Ala Arg His Ser
 20 25 30
 Asp Arg Ser Gln Ser Ala Gly Ala Gly Ala Phe Gly Leu Ser Ser Pro
 35 40 45
 Met Glu Val Ser Glu Pro His Ser His Ser Tyr Arg Arg His Gln Asn
 50 55 60
 Ser Leu Tyr Val Glu Pro His Lys Val Glu Thr Val Asn Ser Cys Arg
 65 70 75 80
 Asn Leu Leu Trp Asn Thr Thr Val Phe Glu Ser Gly Ser Asp Leu Thr
 85 90 95
 Ser Ser Val Thr Leu Gly Lys Leu Leu Leu Pro Trp Thr Pro Thr Thr
 100 105 110
 His Leu Asp Val Gly Asn Asn Asp Thr Glu Phe Ile Gly Leu Arg Leu
 115 120 125
 His Leu Met Gly Thr Leu Glu Gln Cys Gln Thr Gln Thr Thr Asn Ala
 130 135 140
 Gln Lys Leu Val Phe Ile Ile Ala Phe His Phe Asn Cys Gly Leu Leu
 145 150 155 160
 Gly Leu Asn Cys Val Pro Ser Lys Arg Tyr Ile Gly Val Leu Thr Leu
 165 170 175
 Ser Thr Ser Glu Cys Asp Cys Thr Trp Arg Leu Gly Leu Tyr Arg Asp
 180 185 190
 Asn Arg Val Lys Met Glu Leu Gln Gly Trp Ser Leu Ile Gln Cys Asp

195 200 205
 <210> 192
 <211> 211
 <212> PRT
 <213> Homo sapiens
 <400> 192
 Ile Leu Ser Ser Ser Leu Cys Leu Arg Pro Pro Ser Pro Glu Pro Ser
 1 5 10 15
 Glu Leu Ser Ala Ser Ser Leu Phe Ala Pro Pro Cys Cys Arg His Arg
 20 25 30
 Arg Phe Gly Ser Val Pro Ala Glu Val Gly Lys Asp Thr Trp Asn Ser
 35 40 45
 Gly Arg Pro Leu Cys Ser Pro Leu Ala Arg Ser Lys Ala Val Lys Asp
 50 55 60
 Thr Ala Ser Pro Gly Ser Cys Ser Ser Leu Asn Pro Thr Val Asp Leu
 65 70 75 80
 Val Gly Arg Leu Arg Ala Gln Ile Cys Arg Cys Ser Ile Val Ser Ser
 85 90 95
 Val Ser Cys Pro Leu Leu Pro Pro Gly Val Asp Ser Cys Thr Val His
 100 105 110
 Pro Thr Pro Ala Phe Pro Ser Phe Leu Ile Ser Pro Val Ile Phe Pro
 115 120 125
 Val Ala Leu Leu Cys Trp Cys Pro Val Arg Ser Cys Gly His Lys Arg
 130 135 140
 Leu His Gly Pro His Pro Gln Leu Gly Glu Ser Ser Pro Ser Trp Val
 145 150 155 160
 Leu Trp Thr Val Lys Lys Asp Gly His Val Gly Ser Val Glu His Glu
 165 170 175
 Val Val Gln Asp Leu Gly Gly His Arg Ser Cys Leu Pro Ala Ser Arg
 180 185 190
 Ala Leu Pro Pro Phe Gly Ser Leu Leu His Leu Gly Lys Arg Phe Val
 195 200 205
 Pro Thr Pro
 210
 <210> 193
 <211> 208
 <212> PRT
 <213> Homo sapiens
 <400> 193

Asn Met Ser Tyr Ser Ser Arg Val Asn Ser Leu Leu Leu Phe Ser Phe
 1 5 10 15
 Asn Phe Ser Tyr Ile Ile Phe His Ile Asn Phe Arg Ile Ser Leu Val
 20 25 30
 Trp Gly Val Ile Gln Val Asn Leu Ile Lys Phe Gly Glu Gly Phe Thr
 35 40 45
 Ile His Leu Ile Asn Phe Gly Arg Val Val Met Leu Met Phe Ser His
 50 55 60
 Tyr Ile Leu Lys Cys Asp Ile Ser Phe His Leu Phe Val Leu Asp Gln
 65 70 75 80
 Ala Leu Val Ala Ser Ser Glu Asn Leu Leu Asn Ser Arg Asn Asn Phe
 85 90 95
 Phe His Leu Leu Thr His Phe Leu Thr Ile Cys Phe Leu Pro Leu Val
 100 105 110
 Leu Cys Leu Val Asn Tyr Phe Leu Leu Ile Ser Pro Leu Gln Ile Leu
 115 120 125
 Tyr Ala Ile Arg Lys Gly Val Thr Asp Leu Val Ile Glu Thr Gln Tyr
 130 135 140
 Thr Phe Val Gly Met Met Lys Ala Leu Gly Ile Phe Ser Tyr Tyr Val
 145 150 155 160
 His Leu Ile Ile Leu Lys Leu Ser Ser Tyr Val Glu Pro Ile His Lys
 165 170 175
 Ser Arg Ser Phe Asp Phe Lys Ser Cys Ile Phe Pro Tyr Phe Gln Tyr
 180 185 190
 Leu Ile Gly Glu Val Thr Cys Asn Ala Ile Val Leu Gln Phe Tyr Ile
 195 200 205
 <210> 194
 <211> 213
 <212> PRT
 <213> Homo sapiens
 <400> 194

Met Thr Gly Asn Ala Val Val Leu Trp Leu Leu Gly Phe Arg Met Arg
 1 5 10 15
 Arg Asn Ala Phe Ser Ile Tyr Ile Phe Asn Leu Ser Met Ala Asp Phe
 20 25 30
 Leu Phe Leu Arg Ser His Ile Ile Arg Phe Pro Leu Ser Leu Ile Asn
 35 40 45
 Ile Leu His Pro Ile Phe Lys Ile Leu Ser Pro Val Met Met Phe Ser

50	55	60
Tyr Leu Ala Ser Leu Ser Phe Leu Ser Ala Met Ser Thr Glu Arg Cys		
65	70	75 80
Leu Tyr Val Leu Trp Pro Ile Trp Arg Cys Arg Pro Arg Pro Tyr Thr		
	85	90 95
Cys Gln Arg Ser Cys Val Ser Cys Ser Gly Pro Cys Leu Cys Cys Gly		
	100	105 110
Ala Ser Trp Ser Gly Val Ser Val Thr Ser Cys Leu Val Val Leu Ile		
	115	120 125
Leu Phe Gly Val Lys His Gln Ile Ser Ser Gly Gly Phe Phe Tyr Val		
	130	135 140
Trp Leu Ser Val Val Pro Ala Trp Ser Cys Trp Ser Gly Ser Phe Val		
	145	150 155 160
Gly Pro Gly Arg Cys His Pro Gly Cys Thr Pro Ser Cys Ser Arg Trp		
	165	170 175
Ser Ser Ser Phe Cys Gly Leu Pro Phe Gly Ile Arg Phe Phe Leu Phe		
	180	185 190
Ser Trp Asn His Val Asp Leu Glu Val Leu Tyr Cys His Val His Leu		
	195	200 205
Val Ser Ile Phe Leu		
	210	

<210> 195
 <211> 190
 <212> PRT
 <213> Homo sapiens

<400> 195

His Thr His Thr His Thr His Thr His Thr His Thr His Thr Arg Thr		
1	5	10 15
His Pro Ile Asn Gly Phe Pro Gly Gly Arg Ala Ser Val Pro Leu Thr		
	20	25 30
Ala Gly Pro Pro Gly Pro Ala Lys Gly Ala Lys Ser His Ser Asp Ile		
	35	40 45
Asn Ser Trp Phe Gln Ser Asn Lys Gln Ser Asn Val Arg Lys Val Ile		
	50	55 60
Arg Leu Lys Gly Phe Glu Gly Lys Ser His Gln Lys Val Lys Leu Asp		
	65	70 75 80
Pro Thr Ser Thr Ser Trp Met Ser Tyr Leu Ile Ser Leu Ala Ser Val		
	85	90 95

Phe Ser Pro Ile Lys Lys Pro Glu Asp Leu Pro His Gln Ala Val Leu
100 105 110
Lys Leu Asn Glu Leu Ile Pro Val Gln Ala Glu Asn Ser Ile Tyr Ser
115 120 125
Ile Ser Gln Leu Leu Leu Leu Leu Leu Leu Cys Thr Trp Leu Ser
130 135 140
Leu Phe Ser Phe Ile Asn Tyr Tyr Ser Leu His Leu Phe Ala Ala Thr
145 150 155 160
Trp Ser Ser Trp Asn Pro Phe Thr Ala Tyr Ser Arg Glu Thr Gly Glu
165 170 175
Gly Arg Cys His Leu His Ser His Trp Asp Ala Pro Ala Pro
180 185 190
<210> 196
<211> 138
<212> PRT
<213> Homo sapiens
<400> 196
Glu Asn Leu Phe Phe Lys Gly Lys Phe Val Ser Asn Thr Leu Pro His
1 5 10 15
Ser Phe Ile Arg Gln Cys Phe Leu Cys His Phe Ser Ala Arg Ile Leu
20 25 30
Leu Leu Gly Ile Glu Phe Thr Val His Ser Ser Val Leu Ser Val Leu
35 40 45
Gln Lys Tyr Tyr Leu Phe Pro Ser Asn Leu His Gly Phe Arg Trp Lys
50 55 60
Ile Cys Cys Gly Leu His Tyr Cys Phe Ser Val Arg Asn Val Pro Phe
65 70 75 80
Phe Leu Cys Leu Leu Ser Arg Phe Leu Ile Phe Phe Phe His Phe Gln
85 90 95
Lys Leu Asn Val Phe Gly Cys Ile Leu Phe Arg Val Cys Ser Cys Phe
100 105 110
Leu Glu Tyr Leu Gly Leu Cys Ser Ser Ile Leu Ile Trp Glu Gly Ser
115 120 125
His Tyr Phe Leu Ile Val Phe Ser His Ile
130 135
<210> 197
<211> 175
<212> PRT
<213> Homo sapiens

<400> 197

Ser Asp Ser Pro Ile Tyr Asn Leu Cys His Thr Asn Arg Leu Asn Pro
1 5 10 15
His Cys Glu Phe His Thr Cys Val Asp Val Ser Thr Ser Arg Asp Gly
20 25 30
Cys Ile Phe Phe Ile Phe Leu His Thr Phe Leu Glu Tyr Phe Ile Ser
35 40 45
Met Val Leu Gln Ile Leu Leu Pro Thr Tyr Cys Gly Phe Lys Ala Met
50 55 60
Glu Lys Thr Lys Ser His Arg Ser Lys Tyr Cys Arg Lys Gln Asn Ser
65 70 75 80
Trp Val Asp Leu Ile Phe Leu Tyr Lys Asn Tyr Gly Tyr Gly Tyr Met
85 90 95
Tyr Leu Cys Met Ser Val Ala Lys Ile Asn Lys Met Asn Thr Phe Asn
100 105 110
Leu Arg Val Pro Ile Ile Gln Phe Thr Ser Phe Cys Pro Thr Thr Leu
115 120 125
Glu Ala Lys Thr Leu Val Glu Thr Leu Met Cys Phe Thr Ser Asn Ser
130 135 140
Ser Leu Ala Leu Asn Ile Pro Leu Phe Val His Pro Leu Ser Asp Ala
145 150 155 160
Ile Leu Leu Val Lys Gln Gln Thr Ser Thr His Arg Lys Leu Glu
165 170 175

<210> 198

<211> 177

<212> PRT

<213> Homo sapiens

<400> 198

Ser Arg Lys Gly Arg His Trp Arg Gly Cys Leu Leu Thr Leu Leu Met
1 5 10 15
Leu Val Ala Val Val Val Cys Phe Ser Pro Tyr His Leu Asn Ile Lys
20 25 30
Gln Phe Met Ala Arg Gly Met Leu His Leu Pro Ser Cys Ala Glu Arg
35 40 45
Arg Ala Phe Leu Leu Ser Leu Gln Ala Thr Val Ala Leu Met Asn Met
50 55 60
Asn Cys Gly Ile Thr Pro Ser Phe Thr Ser Leu His Pro Pro Ile Thr
65 70 75 80

Gly Asn Gly Ser Trp Ala Phe Ser Ser Lys Gly Leu Pro Pro Pro Pro
85 90 95

Pro Pro Pro Pro Pro Gln Glu Lys Leu Leu Gln Lys His Gln Val Ser
100 105 110

Pro Arg Pro Glu Val Leu Cys Ser Arg Ser Thr Trp Ser Asn Val Ser
115 120 125

Phe Ala Leu Leu Tyr Leu Gly Arg Gly Pro Ala Leu Gly Tyr Ser Tyr
130 135 140

Asn Leu Gly Lys Arg Phe Phe Lys Glu Lys Asn Thr Glu Glu Ile Gln
145 150 155 160

Asn Ala Gly Arg Gly Gly Ser Arg Leu Ser Pro His Phe Gly Arg Pro
165 170 175

Arg

<210> 199
<211> 202
<212> PRT
<213> Homo sapiens

<400> 199

Val Tyr Glu Cys Tyr Ile Phe Gly His Cys Trp Asp Val Ala Ser His
1 5 10 15

His Leu Thr Ser Leu Asn Leu Ser Gly Leu Thr Cys Glu Met Gly Ala
20 25 30

Leu Thr Phe Thr Cys Leu Gln Ala Cys Ser Gln Ile Arg Cys His Leu
35 40 45

Lys Asp Phe Ser Ser Pro Gly Asp Phe Lys Arg Leu Leu Arg Gly His
50 55 60

Phe Phe Ser Gly Cys Gly Arg Ser Met Ile Arg Val Ile Arg Met Gly
65 70 75 80

Leu Leu Glu Glu Arg Gly Gly Gln Arg Leu Leu Phe His Phe Met Ala
85 90 95

Pro Ser Gly Gln Arg Thr Asp Ser Ala Thr Ala Ala Thr Arg Ala Leu
100 105 110

Pro Gly Leu Trp Ser Gln Leu Ser Gln Gln Glu Phe Gln Lys Ala Lys
115 120 125

Gly Ser Glu Leu His Pro Ser Phe Leu Ala Asp Cys His Pro Ala Ser
130 135 140

Ser His Ser Pro Gln Gly Tyr Val Met Leu Ala Leu Lys Ala Ser Leu
145 150 155 160

Gly Arg Gly Cys Ile Cys His Pro Leu Pro Cys Lys Ile Phe Glu Val
165 170 175

Gln Arg Ala Leu Gln Ala Glu Pro His Pro Leu Leu His Ser Pro Ser
180 185 190

Val Gly Met His Ser Pro Ser Val Gly Met
195 200

<210> 200

<211> 175

<212> PRT

<213> Homo sapiens

<400> 200

Leu Pro Pro Pro Ile Leu Val Pro Thr Val Val Thr Glu Glu Ile
1 5 10 15

Phe Ser Ser Ser Thr Ala Thr Leu Lys Gly Pro Ser Val Pro Phe Gly
20 25 30

Gly Leu Gly Ile Asp Leu Pro His Arg Ser Ser Leu Ala Pro Met His
35 40 45

Thr Phe Arg Asp Leu Arg Thr Gly Pro Leu Cys Leu Pro Leu Ser Leu
50 55 60

Leu Val Arg Lys Asp Trp Pro Ala Cys Leu His Pro Gln Gln Ser Ile
65 70 75 80

Ala Thr Ala Pro Ser Cys Ala Thr Glu Glu Leu Thr Asp Thr Thr His
85 90 95

Thr Val Tyr Ser Arg Arg Asn Pro Met Gly Pro Ile Ile Leu Cys Pro
100 105 110

Pro Trp Ile Lys Thr Lys Val Leu Tyr Ala Thr Asn Thr Thr Ala Ile
115 120 125

Ser Thr Gly Lys Ser Leu Ser Leu Gln Lys Pro Ile Gln Lys Pro Arg
130 135 140

Arg Ser Asn Cys His Thr Lys Tyr Thr Asp Thr Asn Leu Arg Thr Glu
145 150 155 160

Thr Glu Asn Lys Glu Thr Trp His Phe Leu Lys Glu His Asn Asn
165 170 175

<210> 201

<211> 178

<212> PRT

<213> Homo sapiens

<400> 201

Leu Gly Phe Leu Leu Thr Asp Val Gln Ser Val Phe Gly Tyr Leu Gln
 1 5 10 15
 His Glu Thr His Tyr Cys Ser Ala Thr Ile Gly Arg His Trp Pro Ala
 20 25 30
 His Pro Leu Met Arg Cys Trp Asn Pro Phe Phe Ile Leu Lys Tyr Leu
 35 40 45
 Ile Asp Lys Asn Cys Val Cys Ser Arg Cys Asp Val Met Leu Arg Ser
 50 55 60
 Arg Tyr Ile Gln Val Tyr Leu Pro Gln Ser Asn Leu Thr Asn Leu Ser
 65 70 75 80
 Pro Pro Met Ile Thr Ile Met Leu Arg Gly Gly Ser Glu Asp Thr Lys
 85 90 95
 Asp Leu Leu Ser Tyr Gln Ile Ser Ser Gln Gln Tyr Ser Ile Ile Asn
 100 105 110
 Thr Val Thr Met Leu Cys Ile Arg Ser Pro Glu His Val Thr Glu Gly
 115 120 125
 Leu Tyr Leu Leu Thr Asn Ile Ser Pro Ala Leu His Glu Trp Met Val
 130 135 140
 Ser Ile Phe Gln Thr His Ser Glu Asp Phe Ala Trp Leu Ala Thr Ser
 145 150 155 160
 Ile Ser Pro Glu Lys Val Gln Lys Ser Arg Pro Ser His Arg Asn Ser
 165 170 175

Asp Ala

<210> 202
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 202

Tyr Gly Ala Leu Tyr Lys Tyr Lys Gln Gln Ser Leu Thr Phe Leu Ser
 1 5 10 15
 Leu Gln Leu Leu Thr Leu Ala Gly Ser Arg Ile Lys Met Pro Asn Ser
 20 25 30
 Thr Gln Lys Pro Trp Pro Val Ser Leu Pro Lys Met Glu Phe Arg Leu
 35 40 45
 Thr Ala Gly Asn Arg Asn Cys Ser Phe Lys Ala Ile Ala Trp Ala Met
 50 55 60
 Val Pro Ile Phe Val Asn Ile Gly Phe Cys Leu Asn Ser Val Ser Arg
 65 70 75 80

Val Asp Tyr Ile Ile Cys Lys Val Cys Lys Met Lys Val Trp Gly Ser
 85 90 95
 Ser Ser Lys Tyr Lys Gln Lys Val Leu Leu Ser Val Ser Lys Tyr Lys
 100 105 110
 Met Phe Pro Leu Ser Val Ile Tyr Phe Ser Thr Cys Tyr Val Phe Gln
 115 120 125
 Phe Val Cys Phe Val Phe Pro Leu Leu Phe Tyr Val Leu Leu Cys Lys
 130 135 140
 Lys Ile Lys Asn Leu Asn Tyr His Asn Lys Phe Ser His Ser Phe Leu
 145 150 155 160
 Cys Cys Ala Val Ser Ile Asn Ala Asn Ile Lys Ala Phe Asn Leu Tyr
 165 170 175
 Ile Glu Ser Gln Lys Leu His Asn Thr Tyr Phe Ile Val Cys Thr Cys
 180 185 190
 Met Tyr Ile Leu
 195
 <210> 203
 <211> 212
 <212> PRT
 <213> Homo sapiens
 <400> 203
 Ser Gly Val Ile Asn Leu Leu Tyr Ile Cys Val Tyr Val Cys Ile Phe
 1 5 10 15
 Leu Pro Asn Arg Cys Asn Thr Lys Tyr Ser His Gly Val Ile Thr Phe
 20 25 30
 Ser Gln Leu Thr Leu His Pro Tyr Ile Ile Glu Glu Arg Ser Thr Ser
 35 40 45
 Ile Leu Phe Leu Leu Val Ile Ala Leu Met Ser Glu Tyr Lys Leu Asp
 50 55 60
 Ser Ser Val Ala Asn Asn Thr Arg Gln Ser Lys Asp Phe Ser Cys Cys
 65 70 75 80
 Arg His Ile Phe Leu Ile Tyr Trp Lys His Lys Cys Val Pro Pro Asn
 85 90 95
 Phe Ile Val Asp Arg Asn Met Lys Asn Phe Ile Lys Leu Lys Thr Gly
 100 105 110
 Ser Leu Pro Asp Leu Pro Val Ile Leu Pro Thr Leu Gln Ile His Pro
 115 120 125
 Ile Val Pro Ala Ser Phe Thr Met Lys Lys Tyr Glu Thr Cys Leu Thr

130	135	140
Trp Ser Leu Cys Leu Arg Glu Thr Cys Val Cys Leu Trp Asn Thr Leu		
145	150	155 160
Thr Lys Ile Pro Ala Leu Val Asp Lys Thr Gly Phe Gln Ser Ser Leu		
	165	170 175
Asn Ser His Phe Val Leu Asn Lys Val Val Ser Lys Thr Arg Cys Ser		
	180	185 190
Lys Tyr Tyr Cys Ser Asp Ala Ile Ser Lys Thr Val Leu Ile Pro Cys		
	195	200 205
Gly Arg Glu Asn		
210		
<210> 204		
<211> 172		
<212> PRT		
<213> Homo sapiens		
<400> 204		
Asn Lys Ile Val Phe Ile Phe Ser His Asp Cys Leu Trp Arg Lys Ile		
1	5	10 15
Ser Lys Asn Leu Pro Lys Thr Asn Ala Ile Leu Ser Arg Val Lys Glu		
	20	25 30
Thr Arg Ser Ser Leu Phe Cys Thr Leu Tyr Phe Cys Ile Ser Val Leu		
	35	40 45
Phe Leu Tyr Gly Ser Asn Asp Gln Leu Glu Ile Lys Ile Leu Lys Gln		
	50	55 60
His Gln Lys His Lys Met Leu Ser Tyr Lys Ser Asn Lys Thr Tyr Thr		
65	70	75 80
Asp Ser Val Pro Lys Thr Val Asn Val Tyr Leu Lys Asn Gln Arg Arg		
	85	90 95
Ala Glu Gln Arg Ala Thr Ser Cys Leu Leu Leu Glu Asn Ser Ile Glu		
	100	105 110
Leu Arg Tyr Lys Phe Pro Gln Ser Asp Leu Asp Ala Thr Gln Phe His		
	115	120 125
Ser Asn Pro Ser Arg His Phe Leu Leu Lys Ser Thr Ser Cys Phe Ile		
	130	135 140
His Thr Lys Ile His Lys Asn Lys Lys Ala Lys Ile Leu Leu Lys Glu		
145	150	155 160
Asn Lys Phe Arg Arg Leu Leu Leu Ser Asp Phe Arg		
	165	170

<210> 205
 <211> 313
 <212> PRT
 <213> Homo sapiens

<400> 205

Val	Pro	Lys	Ile	Phe	Ser	Phe	Ser	Ser	Ser	Phe	Gln	Asn	Tyr	Phe	Leu	1	5	10	15
Ile	Leu	Val	Lys	His	Thr	Ser	Ser	Asn	Ile	Thr	Tyr	Tyr	Leu	Val	Phe	20	25	30	
Thr	Tyr	Ile	Thr	His	Ser	Leu	Asn	Lys	Phe	Val	Glu	Met	Ile	Ile	Leu	35	40	45	
Lys	Ile	Leu	Val	Phe	Lys	Phe	Met	Ser	Ser	Gln	Lys	Leu	Leu	Pro	Arg	50	55	60	
Ile	Ser	Ile	Leu	Asn	Ile	Trp	Ile	Asn	Ile	Leu	Phe	Tyr	Thr	Pro	Tyr	65	70	75	80
Asn	Ile	Leu	Leu	Ala	Ile	Ile	Ile	Phe	Phe	Arg	Ile	Cys	Ser	Thr	Ser	85	90	95	
Asn	Phe	Phe	Asp	Phe	Leu	Ile	Leu	Lys	Arg	Ile	Ile	Tyr	Ala	Asn	Gln	100	105	110	
Gln	Cys	Lys	Asp	Phe	Ser	Trp	Phe	Thr	Arg	Val	Lys	Leu	Phe	Ser	Arg	115	120	125	
Met	Val	Gly	Ser	Phe	Ala	Tyr	Ile	Lys	Leu	Met	Tyr	Arg	Ser	Ala	Ser	130	135	140	
Ser	His	Ile	Lys	Val	Gln	Ser	Leu	Leu	Lys	Lys	His	Phe	Ile	Ser	Asn	145	150	155	160
Gln	Phe	Val	Phe	Leu	Tyr	Thr	Leu	Lys	Pro	Phe	Asn	Cys	Phe	Tyr	Phe	165	170	175	
Ser	Ile	Leu	Thr	Ser	Ile	Ser	Cys	Tyr	Ser	Gln	Trp	Pro	Ala	Ser	Ser	180	185	190	
Leu	Ala	Ile	Arg	Gln	Leu	Phe	Val	Tyr	Leu	Ala	Lys	Tyr	Ile	His	Ala	195	200	205	
Leu	Lys	Ile	Pro	Phe	Pro	Asn	Ile	Tyr	Tyr	Asp	Phe	Phe	Lys	Gly	Phe	210	215	220	
Ser	Phe	Val	Thr	Met	Thr	Leu	Lys	Ala	Lys	Val	Ser	Arg	Cys	Cys	Ile	225	230	235	240
Thr	Val	Gly	Ser	Thr	Ile	Met	Tyr	Gln	Glu	Gly	Arg	Glu	Asn	Gln	Gly	245	250	255	
Thr	Phe	Leu	Trp	Glu	Tyr	Pro	Ile	Ile	Cys	Gln	Ile	Tyr	Ser	Asn	Ser	260	265	270	

Leu Arg Thr Ile Thr Phe Val Phe Thr Val Phe Pro Met Gln Phe Leu
 275 280 285
 Arg Phe Ile Phe Lys Asn Phe Leu Gly Glu Met Asp Tyr Ser Leu Leu
 290 295 300
 Ser Ala Val Ile His Asn Phe Tyr Phe
 305 310
 <210> 206
 <211> 318
 <212> PRT
 <213> Homo sapiens
 <400> 206
 Pro Phe Tyr Tyr Ser Met Leu Val Pro Thr Ser Gly Leu Ser Thr Cys
 1 5 10 15
 Cys Ser Phe Cys Leu Glu Ser Ser Ser Pro Asp Leu Leu Arg Phe Pro
 20 25 30
 Leu Ser Ile Arg Val Ser Ala Val Ile His Pro Gln Arg Arg Ser Pro
 35 40 45
 Asp Pro Val Lys Pro Pro Ile Pro Gln Ser Pro Tyr Val Ser Thr Ser
 50 55 60
 Leu Tyr Leu Ile Ser Gln His Leu Leu Ile Ser Leu Thr Leu His Tyr
 65 70 75 80
 Met Cys Cys Tyr Met Phe Val Ile Leu Ser Ser Gly Pro Cys Asn Val
 85 90 95
 Arg Met Ala Gln Tyr Lys Trp Gln Glu Gly Cys Arg Gly Val Asp Lys
 100 105 110
 Ala Glu Ser Gly Trp Gly Ser Trp Arg Asp Gly Gln Gly Pro Glu Leu
 115 120 125
 Arg Arg Trp Tyr Leu Gln Cys Ala Leu Asn Cys Pro Gly Met Ile Ile
 130 135 140
 Ser Ile Ala Ser Phe His Ser Gln Arg Cys Pro Gly Tyr Tyr Ser Cys
 145 150 155 160
 Ser Val Tyr Arg Ala Trp Ala Val Gly Ile Leu Phe Gln Met Gly Cys
 165 170 175
 Glu Ala Cys Gly Trp Phe Ala Gly Ser Asp Met Ile Leu Ala Phe Lys
 180 185 190
 Asp His Asp Gln Val Leu Glu Thr Leu Phe Trp Leu Leu Pro Thr Pro
 195 200 205
 Pro His Thr His Pro Thr Leu Leu His Cys Pro Phe Ser Leu Leu Trp

210	215	220
Gln Leu Phe Leu Phe Tyr Asn Leu Ile Leu Glu Phe Leu Gln Thr Ser		
225	230	235 240
Gly Ser Gln Leu Gly Ala Ile Ser Pro Pro Arg Asp Ile Trp Tyr Phe		
	245	250 255
Ile Trp Arg Tyr Phe Trp Ser Gln Leu Glu Arg Val Leu Ala Ser Ser		
	260	265 270
Gly Arg Pro Gly Arg Leu Leu Thr Ile Leu Gln Ser Thr Glu Gln Pro		
	275	280 285
Tyr Thr Ile Lys Asn Asp Leu Thr Gln Asn Ala Ser Ser Pro Glu Val		
	290	295 300
Lys Lys Pro Cys Thr Arg Leu Ala Pro Ser Asn Arg Asn Ile		
305	310	315
<210> 207		
<211> 318		
<212> PRT		
<213> Homo sapiens		
<400> 207		
Ile Ser Pro Phe Tyr Tyr Ser Met Leu Val Pro Thr Ser Gly Leu Ser		
1	5	10 15
Thr Cys Cys Ser Phe Cys Leu Glu Ser Ser Ser Pro Asp Leu Leu Arg		
	20	25 30
Phe Pro Leu Ser Ile Arg Val Ser Ala Val Ile His Pro Gln Arg Arg		
	35	40 45
Ser Pro Asp Pro Val Lys Pro Pro Ile Pro Gln Ser Pro Tyr Val Ser		
	50	55 60
Thr Ser Leu Tyr Leu Ile Ser Gln His Leu Leu Ile Ser Leu Thr Leu		
65	70	75 80
His Tyr Met Cys Cys Tyr Met Phe Val Ile Leu Ser Ser Gly Pro Cys		
	85	90 95
Asn Val Arg Met Ala Gln Tyr Lys Trp Gln Glu Gly Cys Arg Gly Val		
	100	105 110
Asp Lys Ala Glu Ser Gly Trp Gly Ser Trp Arg Asp Gly Gln Gly Pro		
	115	120 125
Glu Leu Arg Arg Trp Tyr Leu Gln Cys Ala Leu Asn Cys Pro Gly Met		
	130	135 140
Ile Ile Ser Ile Ala Ser Phe His Ser Gln Arg Cys Pro Gly Tyr Tyr		
145	150	155 160

Ser Cys Ser Val Tyr Arg Ala Trp Ala Val Gly Ile Leu Phe Gln Met
 165 170 175
 Gly Cys Glu Ala Cys Gly Trp Phe Ala Gly Ser Asp Met Ile Leu Ala
 180 185 190
 Phe Lys Asp His Asp Gln Val Leu Glu Thr Leu Phe Trp Leu Leu Pro
 195 200 205
 Thr Pro Pro His Thr His Pro Thr Leu Leu His Cys Pro Phe Ser Leu
 210 215 220
 Leu Trp Gln Leu Phe Leu Phe Tyr Asn Leu Ile Leu Glu Phe Leu Gln
 225 230 235 240
 Thr Ser Gly Ser Gln Leu Gly Ala Ile Ser Pro Pro Arg Asp Ile Trp
 245 250 255
 Tyr Phe Ile Trp Arg Tyr Phe Trp Ser Gln Leu Glu Arg Val Leu Ala
 260 265 270
 Ser Ser Gly Arg Pro Gly Arg Leu Leu Thr Ile Leu Gln Ser Thr Glu
 275 280 285
 Gln Pro Tyr Thr Ile Lys Asn Asp Leu Thr Gln Asn Ala Ser Ser Pro
 290 295 300
 Glu Val Lys Lys Pro Cys Thr Arg Leu Ala Pro Ser Asn Arg
 305 310 315
 <210> 208
 <211> 320
 <212> PRT
 <213> Homo sapiens
 <400> 208
 Lys Leu Thr Leu Ala Ala Tyr Thr Leu Ile Gln Cys His Leu Pro Cys
 1 5 10 15
 Val Ile His Asn Ile Leu Tyr Glu Ser Tyr Phe Leu Cys Val Cys Val
 20 25 30
 Pro Phe Phe Glu Glu Tyr Asp Leu Ser Gln Phe Phe Cys Phe Ser Leu
 35 40 45
 Ser Pro Phe Asn Ile Ser Arg Ala Phe Val Val Val Thr Gly Glu Thr
 50 55 60
 Thr Tyr Thr Ser Phe Leu Leu Leu Phe Cys Tyr Leu Gln Phe Cys Met
 65 70 75 80
 Thr Leu Lys Gln Lys Asn Asn Tyr Leu Thr Ile Ser Phe Val Leu Tyr
 85 90 95
 Ser Gly Phe His Ile Gln Ser Pro Phe Ile Met Leu Leu Pro Leu Phe
 100 105 110

Ser Ser Val Phe Glu Asp Gly Lys Ile His Gln His Pro Lys Tyr Gln
 115 120 125
 Pro Glu Arg Lys Lys Glu Ser Gly Trp Arg Gln Asp Ser Phe Gln Ser
 130 135 140
 Ile Ser Ser Thr Asp His Gly Ala Ala Ala Lys Arg His Ser Lys Arg
 145 150 155 160
 Val Glu Arg Gly Lys Thr Ser Ser Leu Arg Cys Leu Pro Phe Lys Phe
 165 170 175
 Thr Ile Ile Ile Arg Met Leu Leu Glu Glu Glu Gln Gly Gln Gly His
 180 185 190
 Phe Cys Asn Met Thr Gln Lys Asn Ile Asp Leu Lys Phe Asp Thr Tyr
 195 200 205
 Glu Leu Ser Lys Cys Arg Glu Lys Leu Pro Pro Cys Cys Thr Cys Met
 210 215 220
 Cys Ala Ile His Phe Ile Leu Ile Lys Val Cys Lys His Glu Met Gln
 225 230 235 240
 Gly Thr Asp His Leu Phe Met Arg Met Gln His Ser Ser Glu Lys Val
 245 250 255
 Tyr Leu Pro Lys Thr Glu Tyr Met Phe Ile Leu Lys Phe Phe Phe Leu
 260 265 270
 Phe Leu Phe Leu Ile Val Ile Lys Tyr Lys His Lys Phe Thr Ile Leu
 275 280 285
 Ile Ile Phe Lys Tyr Thr Val Gln Tyr Val His Ser His Tyr Cys Ala
 290 295 300
 Thr Asn Phe Gln Asn Ser Phe Tyr Leu Ala Lys Met Lys Leu Tyr Thr
 305 310 315 320

<210> 209

<211> 315

<212> PRT

<213> Homo sapiens

<400> 209

Gln Pro Phe Ser Met His Ser Leu Glu Glu Lys Phe Phe Phe Phe Leu
 1 5 10 15
 Asn His Tyr Ser Ala Thr Ser Ile Ser Leu Glu Phe Leu Ser Ser Glu
 20 25 30
 Thr Leu Val Gln Val Ser Trp Gly Ile Arg Ile Val Cys Val Trp Ile
 35 40 45
 Thr Lys Tyr Tyr Arg Leu Arg Gly Glu Glu Thr Leu Trp Ser Phe Arg

50	55	60
Pro Thr Leu Ile Cys Leu Asp Leu Phe Cys Phe Lys Glu Ser His Leu		
65	70	75 80
Gln Arg Thr Ala Ser Asp Ser Pro Cys Ser Val Phe Ser Gln Glu Cys		
	85	90 95
Ser Leu His Gln Pro Gln Glu Val Leu Gln Lys Glu Val Phe His Val		
	100	105 110
Gln Ile Thr Leu Arg Ser Asn Ser His His Ile Asp Phe Glu Tyr Ser		
	115	120 125
Cys Arg Lys Thr Cys Leu Tyr Gln Leu Gly Val Ser Pro Asn Leu Phe		
	130	135 140
Gly His Gly Asn Ser Phe Ser Lys Lys Thr Cys Phe Ser Ile Ser Phe		
	145	150 155 160
His Arg Lys Leu Thr Val Val Cys Val Phe Phe Gln Ile Ile His Ile		
	165	170 175
Tyr Ser Lys Leu Lys Leu His Trp Leu Phe Gly Phe Ile Asn Pro Leu		
	180	185 190
Thr Ser Val Leu Phe Phe Ser Thr Thr Cys Cys Leu Ala Thr Ser Ala		
	195	200 205
Cys Phe Val Trp Leu Asp Phe Leu Val Leu Ser Ile Gly Leu Arg Phe		
	210	215 220
Tyr Ile Leu Ser Cys Trp Asn His Pro Thr Ser Pro Ala Trp Leu Phe		
	225	230 235 240
Gly Ser Arg Leu Ser His Leu Val His Ser Ser Ala Val Asp Leu Tyr		
	245	250 255
Tyr Ser Leu Met Ser Ala Tyr Ser Leu His Leu Tyr Ser Phe Cys Leu		
	260	265 270
Glu Met Met Ser Arg Thr Gly Gln Gly Trp Tyr His Ser Ile Asn His		
	275	280 285
His Pro Leu Ile Leu Thr Val Asn Leu Pro Asn Lys Ile Phe Gln Lys		
	290	295 300
Arg Val Ser Asn Asn Pro Cys Leu Pro Leu Trp		
305	310	315
<210>	210	
<211>	327	
<212>	PRT	
<213>	Homo sapiens	
<400>	210	

Arg Val Pro Ser Leu Pro Gly Pro Pro Ala Thr Val Cys Pro Val Pro
 1 5 10 15
 Ala Ser Glu Phe Ser Gln His Arg Lys Arg Gly Leu Arg Thr Ile Gln
 20 25 30
 Pro Val His Ser Arg Glu Ser Leu Ser Val Ser Gln Arg Leu Met Gly
 35 40 45
 Cys Leu Trp Cys Arg Val Thr Pro Ala Ser Pro Cys Gly Gly Cys Ala
 50 55 60
 Gly Gly Ala Arg Pro Pro Pro Cys Ala Leu Ser Leu Ala Gln Gly Gln
 65 70 75 80
 His Thr Ala His Pro Leu Phe Phe Leu Pro Phe Pro Leu Ala Gln Pro
 85 90 95
 Leu Val Val Gly Val Thr Arg Gly Ala Glu Arg Ser Trp Arg Ser Arg
 100 105 110
 Ala Cys Pro Gly Pro Val Arg Glu Gly Gly Arg Gly Gln Gln His Pro
 115 120 125
 Trp Arg Arg Glu Asp Tyr Ile Ile Phe Ile Tyr His Met Pro Lys Ile
 130 135 140
 Ala Leu Leu Arg Ala Phe Asp Ile His Pro Lys Ile Phe Lys His Tyr
 145 150 155 160
 Gly Ser Met Ser Gly Cys Ile Ser Asn Met Lys Val Glu Ala Ser Cys
 165 170 175
 Pro Ala Pro Ser Pro Leu Trp Glu Asn Phe Val His Val Leu Ser Gln
 180 185 190
 Leu Phe Gly Lys Gly Gly Pro Ser His Cys Pro Leu Gly Gly Phe Asp
 195 200 205
 Val His Cys Val Gly Arg Ser Leu Pro Ser Ile Leu Phe Tyr Phe Cys
 210 215 220
 Arg Ile Ser Ala Gln Ser Gly Ser Ala Trp Gln Phe Ser Cys Ser Ala
 225 230 235 240
 Arg Glu Val Leu Cys Pro Gly Leu Cys Asp Phe Arg Arg Arg Glu Gly
 245 250 255
 Ser Cys Arg Pro Tyr Leu Gln Trp Leu Pro Pro Gly Ile Pro Val Cys
 260 265 270
 Ser Leu Cys Thr Val Gln Arg Arg Ser Gly Ser Trp Trp Arg Asp Gly
 275 280 285
 Asp Pro Arg Thr Met Ala Ser Thr Lys Ala Gly Gly Ala Cys Asp Arg
 290 295 300

Arg Trp Thr Met Thr Gln Val Pro Ala Arg Tyr Gly Ser Gly Leu Cys
 305 310 315 320

 Arg Glu Gly Ala His Pro Gly
 325

 <210> 211
 <211> 327
 <212> PRT
 <213> Homo sapiens

 <400> 211

 Cys Gln Phe Gly Ala Leu Gly Tyr Ala Gly Pro Val Arg Arg Val Pro
 1 5 10 15

 Ser Leu Pro Gly Pro Pro Ala Thr Val Cys Pro Val Pro Ala Ser Glu
 20 25 30

 Phe Ser Gln His Arg Lys Arg Gly Leu Arg Thr Ile Gln Pro Val His
 35 40 45

 Ser Arg Glu Ser Leu Ser Val Ser Gln Arg Leu Met Gly Cys Leu Trp
 50 55 60

 Cys Arg Val Thr Pro Ala Ser Pro Cys Gly Gly Cys Ala Gly Gly Ala
 65 70 75 80

 Arg Pro Pro Pro Cys Ala Leu Ser Leu Ala Gln Gly Gln His Thr Ala
 85 90 95

 His Pro Leu Phe Phe Leu Pro Phe Pro Leu Ala Gln Pro Leu Val Val
 100 105 110

 Gly Val Thr Arg Gly Ala Glu Arg Ser Trp Arg Ser Arg Ala Cys Pro
 115 120 125

 Gly Pro Val Arg Glu Gly Gly Arg Gly Gln Gln His Pro Trp Arg Arg
 130 135 140

 Glu Asp Tyr Ile Ile Phe Ile Tyr His Met Pro Lys Ile Ala Leu Leu
 145 150 155 160

 Arg Ala Phe Asp Ile His Pro Lys Ile Phe Lys His Tyr Gly Ser Met
 165 170 175

 Ser Gly Cys Ile Ser Asn Met Lys Val Glu Ala Ser Cys Pro Ala Pro
 180 185 190

 Ser Pro Leu Trp Glu Asn Phe Val His Val Leu Ser Gln Leu Phe Gly
 195 200 205

 Lys Gly Gly Pro Ser His Cys Pro Leu Gly Gly Phe Asp Val His Cys
 210 215 220

 Val Gly Arg Ser Leu Pro Ser Ile Leu Phe Tyr Phe Cys Arg Ile Ser
 225 230 235 240

Ala Gln Ser Gly Ser Ala Trp Gln Phe Ser Cys Ser Ala Arg Glu Val
 245 250 255
 Leu Cys Pro Gly Leu Cys Asp Phe Arg Arg Arg Glu Gly Ser Cys Arg
 260 265 270
 Pro Tyr Leu Gln Trp Leu Pro Pro Gly Ile Pro Val Cys Ser Leu Cys
 275 280 285
 Thr Val Gln Arg Arg Ser Gly Ser Trp Trp Arg Asp Gly Asp Pro Arg
 290 295 300
 Thr Met Ala Ser Thr Lys Ala Gly Gly Ala Cys Asp Arg Arg Trp Thr
 305 310 315 320
 Met Thr Gln Val Pro Ala Arg
 325
 <210> 212
 <211> 310
 <212> PRT
 <213> Homo sapiens
 <400> 212
 His Glu Leu Ser Leu Pro Cys Gly Gln Ser Pro Val Ile Lys Lys Glu
 1 5 10 15
 His Thr Pro Ser Leu Thr Glu Thr Ser Leu Asn Lys Lys Asn Ala His
 20 25 30
 Gln Arg Asn Ile Glu Phe Lys Tyr Leu Glu Gln Met Ser Glu Ile Ser
 35 40 45
 His Lys Asn Leu Asn Arg Asn Trp Pro Ser Lys Ser Trp Glu Phe Gly
 50 55 60
 Asp Ala Asn Phe Ile Leu Ser Ile Leu Glu Gln Ser Lys Ile Asn Thr
 65 70 75 80
 Thr His Phe Ser Leu Arg Lys Ser Ala Tyr Leu Phe Asp Val Pro Ser
 85 90 95
 Gly Leu Glu Ile Pro Asn Lys Thr Leu Thr Leu Phe Ile Leu His His
 100 105 110
 Asn Ile Thr Val Asn Lys Asn Asn Leu Asn Leu Cys Ser Asn Phe Pro
 115 120 125
 Leu Trp Thr Gln Arg Lys Thr Gln Glu Lys Met Val Glu Cys Val Leu
 130 135 140
 Asn Lys Val His Tyr Leu Tyr Gln Lys Tyr Ala Val Ile Ser Thr Ser
 145 150 155 160
 Thr Pro Lys Cys Leu Phe Asn Phe Ala Met Met Tyr Lys Ile Leu Val

	165		170		175
Thr Cys Gln Ser Ile Asn Phe Ser Gln Leu Ile Leu Lys Ala Glu Asp					
	180		185		190
Ser His His Phe Val Cys Phe Ser Val Asn Met Ile Val Phe Val Arg					
	195		200		205
Lys His Ile Tyr Pro Glu Ser Tyr Gly Pro Met Phe Leu Thr Phe Cys					
	210		215		220
Pro Arg Ser Val Cys Val Ala Ser Cys Val Cys Met Asp Val Asp Asn					
	225		230		235
Lys Leu Asp Ser Tyr Gln Glu Ser Lys Ile Lys Leu Leu Ser Cys Lys					
		245		250	255
Lys Phe Val Lys Tyr Val Asp Leu Ser Cys Leu Lys Leu Arg His Pro					
	260		265		270
Gly His Ser Leu Trp Arg Glu Asn Ser Pro Pro Leu His Val Asn Leu					
	275		280		285
Trp Val Gly Thr Gly Val Gln Gly Phe Arg Val Gly Leu Leu Leu Pro					
	290		295		300
Gly Met Ile Gln Lys Ile					
305		310			
<210> 213					
<211> 314					
<212> PRT					
<213> Homo sapiens					
<400> 213					
Lys Ala Asp Lys Ile Thr Phe Leu Glu Ser Ser Ile Tyr Ser Leu Ile					
1		5		10	15
Val Phe Leu Tyr Ile Thr Leu Ser Gln Leu Trp Ser Lys Glu His Ser					
	20		25		30
Thr Glu Glu Gly Gly Ser Leu Ile Phe Pro His Leu Val Thr Pro Met					
	35		40		45
Leu Glu Leu His Glu Ile Asp Asn Tyr Tyr Tyr Ile Val Ile Ser Phe					
	50		55		60
His Val Leu Ser Phe Ser Ser Ser Leu Leu Leu Phe Phe Lys Ser Arg					
65		70		75	80
Lys Gln Asn Gly His Gln Leu His Glu His Cys Ser Lys Lys Ile Thr					
	85		90		95
Val Arg Pro Asn Leu Asn Cys Trp Leu Pro Gly Arg Ala Ile Leu Ile					
	100		105		110

Ala Tyr Lys Asp Gln Ile Lys Tyr Gln Ser Gln Val Val Arg Cys Pro
 115 120 125
 Cys Thr Glu His Asn Ile Val Tyr Lys Asp Val Glu Leu Leu Leu Leu
 130 135 140
 Leu Trp Phe Tyr Thr Val Ala His Asp Lys Glu Leu Ile Phe Tyr Leu
 145 150 155 160
 Asn Glu Val Leu Phe Tyr Ile Thr Tyr Phe Met Phe Phe Pro Gln Glu
 165 170 175
 Ser Phe Asn Leu Leu Arg Leu Arg Asp Ser Phe Lys Cys Phe Asp Pro
 180 185 190
 His Thr Leu Phe Ala Gly Cys Arg Arg Met Cys Met Ile Leu Thr Phe
 195 200 205
 Thr Ala Asn Leu Phe Phe Trp Met Gly Tyr Cys Asn Phe Leu Leu Glu
 210 215 220
 Asp His Thr Ser Ser Ser Met Phe Arg Arg Gly Leu His Leu Trp Phe
 225 230 235 240
 His Gly Trp Thr Leu Asp Pro Leu Trp Leu Ser Lys Ile Leu His Gln
 245 250 255
 Cys Asn Ser Phe Val Asn Gly Tyr Met Ile Gln Ala Gly Pro Ile Arg
 260 265 270
 Ala Leu Pro Arg Val Leu Leu Glu Leu Leu Gly Arg Glu Ile Leu Ser
 275 280 285
 Ser Thr Lys Val Ile Phe Trp Arg Asn His Asp Gln Glu Ser Gln Cys
 290 295 300
 Met Glu Asn Lys Ser Arg Glu Lys Lys Lys
 305 310
 <210> 214
 <211> 320
 <212> PRT
 <213> Homo sapiens
 <400> 214
 Met His His Val Phe Ile Leu Trp Pro Leu Ile Asp Ser Trp Asp Val
 1 5 10 15
 Lys Glu Leu Ile Leu Tyr Thr Tyr Ala Asn Leu Lys Pro Ser Ile Ile
 20 25 30
 Ser Leu Thr Ser Pro Val Ser Ser Leu Cys Leu Cys Tyr Gln Gln Val
 35 40 45
 Asn Phe Ser Val Leu Pro His His Lys Pro Gln Leu Pro Leu His Met
 50 55 60

Phe Pro Lys Leu Val Ala Asn Ser Val Phe Pro Gly Glu Cys Ile Lys
65 70 75 80
Tyr Pro Gly Ile His Cys Tyr Thr Val Ser Asn Gly Ser Ser Phe Ser
85 90 95
Leu Leu Trp Arg Arg Thr Pro Glu Glu Ser Thr Ser Pro Gly Pro Ala
100 105 110
Ala Ser Cys Met Gly Asn Leu Leu Leu Leu Leu Gly Phe Thr Leu
115 120 125
His Ile Leu Ser Leu Arg Lys His Thr Lys Ser Phe His Val Phe Val
130 135 140
Pro Val Pro Met Pro Leu Leu Pro Gly Ile Pro Phe Phe Tyr Ser Tyr
145 150 155 160
Ser Leu Asn Lys Leu Phe Tyr Ser Phe Ser Ser Gly Pro Leu Pro Leu
165 170 175
Ile Gln Leu Arg Asn Asn Tyr Cys Leu Ser Pro Ser Lys Leu Ile Phe
180 185 190
Cys Leu Leu Phe Ser His His Thr Leu Pro Phe Thr Ser Val Ala Tyr
195 200 205
His Phe Phe Cys Tyr Leu Thr Asn Ala Ser Val Phe Ile His Ser Pro
210 215 220
Pro Arg Leu Tyr Ser Ser Trp Val Gln Ser Ile Ser His Ser Phe Leu
225 230 235 240
Cys Tyr Leu Cys Leu Ser Gln Cys Trp Leu Gln Ser Arg Tyr Phe Arg
245 250 255
Asp Ala Ile Ile Arg Val Arg Val Val Arg Ile Gly Glu Asn Glu Asp
260 265 270
Ser Met Val Leu Arg Cys His Ala Ser Cys Lys Glu Asn Met Lys Gly
275 280 285
His Phe Phe Phe Leu Gln Leu His Gly Leu Leu Gln Ser Leu Cys Leu
290 295 300
Leu Gly Leu Glu Leu Pro Ala Ile Ser Val Phe Val Arg Leu Leu Ile
305 310 315 320
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<211> 317
<212> PRT
<213> Homo sapiens
<400> 215
Pro Val Asn Ala Lys Asp Ile Leu Phe Gly Leu Glu Ile Lys Leu Leu

1	5	10	15
Met	Pro	Ile	Trp
20	Pro	Tyr	Ala
	Leu	Arg	Thr
	25	Leu	Leu
		His	Asn
		30	Lys
			Ile
Ala	Val	Arg	Val
35	Thr	Lys	Trp
	40	Lys	Met
		Asn	Asn
		Met	Tyr
		45	Arg
			Glu
			Arg
Ile	Gln	Lys	Arg
50	Asn	Leu	Tyr
	55	Phe	Ile
		Phe	Ser
		60	Lys
			Leu
			Pro
			Gln
			Ile
Cys	Leu	Arg	Lys
65	Leu	Tyr	Asp
	70	Leu	Val
		Asn	Arg
		75	Ile
			Leu
			Lys
			Thr
			Leu
			80
Ile	Tyr	Lys	Ser
	85	Gln	Val
		Trp	Ala
		Leu	Val
		90	Thr
			Ser
			Leu
			Asn
			Asp
			Trp
			95
Leu	Ala	Asp	Asn
	100	Leu	Ser
		Gly	Ser
		105	Ser
			Tyr
			Leu
			Glu
			Ile
			Glu
			Asn
			Thr
			110
Ser	Leu	Pro	Phe
	115	Tyr	Asn
		Ser	Ser
		120	Pro
			Gln
			Leu
			Phe
			Gln
			His
			Thr
			Gln
			Cys
			125
Asp	Lys	Lys	Pro
130	Ser	Gln	Ala
		135	His
			Phe
			Ser
			Asn
			Asn
			Glu
			Phe
			Val
			Gly
			140
Ser	Phe	Lys	Cys
145	Gln	Gly	Gln
	150	Gln	Gln
		Val	Arg
		Ala	Gly
		155	Ser
			Glu
			Ala
			Asp
			160
Ile	Phe	Gly	Glu
	165	His	Gly
		Leu	Ala
		Phe	Ser
		170	Phe
			Leu
			Gly
			Thr
			Phe
			Val
			175
Leu	Trp	Met	Glu
	180	Ser	Ile
		Leu	Gly
		Gln	Ala
		185	Glu
			Val
			Leu
			Leu
			Ser
			Trp
			190
Trp	Gln	Asp	Gly
	195	Tyr	Ala
		Arg	Gln
		200	Pro
			Ser
			Cys
			Leu
			Gln
			Arg
			Ala
			Cys
			205
Leu	Val	Arg	Ser
210	Phe	Gly	Ile
		215	Ser
			Ser
			Asp
			Leu
			Met
			Asn
			Leu
			Gly
			Leu
			220
Met	Phe	Ile	Pro
225	Gly	Tyr	Ile
	230	Ser	Phe
		Ala	Gln
		235	Val
			Asn
			Gly
			Tyr
			Val
			240
Asp	Cys	His	Thr
	245	Trp	Val
		Ser	Val
		Thr	Thr
		250	Pro
			Gly
			Phe
			Ser
			Asp
			Gly
			255
Val	Ser	Pro	Lys
	260	Gly	Pro
		Thr	Arg
		Val	Glu
		265	Glu
			Ser
			Gly
			Ser
			Trp
			Lys
			270
Glu	Ser	Gln	Gly
275	Lys	Gly	Lys
		Gly	Thr
		280	Asn
			Ala
			Arg
			Trp
			Ala
			Val
			Asn
			285
Gly	Ser	Cys	Pro
290	Asn	Phe	Met
		295	Pro
			Glu
			Pro
			Leu
			Lys
			Gly
			Ile
			Phe
			Thr
			300
Leu	Thr	Val	Gly
		Ile	Asn
		Ile	Gly
		Arg	Gly
		Asp	Ala
			Trp

305 310 315
 <210> 216
 <211> 319
 <212> PRT
 <213> Homo sapiens

 <400> 216

 Arg Lys Lys Asp Asp Ser Ile His Val Arg Arg Asn Ser Ala Arg Met
 1 5 10 15

 Gln Lys His Lys Tyr Glu Lys Arg Val Tyr Cys Phe His Asn Lys Thr
 20 25 30

 Lys Thr Arg Lys Glu Ile Ala Cys Gly Lys Glu Lys Gln Ser Lys Lys
 35 40 45

 Arg Lys Thr Asn Leu His Val Ala Asn Leu Phe Val Thr Phe Gln Ile
 50 55 60

 His Met Ser Cys Ala Met Ile Thr Arg Gly Phe Pro Asp Lys Phe Cys
 65 70 75 80

 Phe Ser Ile Ile Phe Leu Gln Leu Tyr Lys His Gly Phe Tyr Ser Asp
 85 90 95

 Asn Leu Ser Phe Asp Ile Phe Phe Ile Asp Tyr Gln Arg Ile Leu Glu
 100 105 110

 Thr Asn Gln Ala Gln Tyr Phe Asn Phe Gln Phe Ser Leu Pro Val Ile
 115 120 125

 Leu Leu Pro His Thr Ala Ser Thr Pro Ser Trp Tyr Gln Leu Lys Lys
 130 135 140

 Tyr Tyr Val Arg Met Thr Ser Val Thr Leu Val Leu Phe Ile Leu Asn
 145 150 155 160

 His Ser Glu Pro Tyr His Cys Val Leu Asn Leu His Leu Thr Asp Pro
 165 170 175

 Tyr Leu Cys Ser Ser Ser Ser Ala Leu Asp Leu Cys Phe Gln Ala Leu
 180 185 190

 Arg Phe Tyr Asn Val Ile Asn Pro Leu Ser Leu Ile Phe Ser Ser Pro
 195 200 205

 Leu Thr Cys Met Cys Val Glu Ser Val Tyr Met Leu Glu Asn Tyr Thr
 210 215 220

 Thr Phe Thr Arg Phe Ile Leu Leu Val Tyr Leu Thr Leu Thr His Phe
 225 230 235 240

 Tyr Ser Leu Gly His Tyr Leu Cys Met Ala Tyr Ala Glu Val Gly Ser
 245 250 255

Gly His Tyr Lys His Gln Glu Thr Ile Ser Ile Thr Pro Cys Ile His
 260 265 270
 Val His Val Val Leu Lys Tyr Asn Val Lys Tyr Arg Glu Val Thr Leu
 275 280 285
 Gly Leu Asn Ser Gly Val Ser Ala Arg Leu Gly Leu Ile Thr Thr Leu
 290 295 300
 Leu Leu Ala Asn Tyr Ala Ser Leu Asn Pro Cys Ala Ser Lys Leu
 305 310 315
 <210> 217
 <211> 313
 <212> PRT
 <213> Homo sapiens
 <400> 217
 Trp Pro Gln Ile Ser Phe Pro Pro Tyr Val Pro Leu Val Ser Thr Asn
 1 5 10 15
 Leu Phe Leu Pro Tyr Trp Ser Gly Gln Cys Pro Pro Asp Thr Ala Val
 20 25 30
 Leu Pro Thr Gly Leu Leu Ser Ser Phe Leu Ser Val Ile Ile Leu Ala
 35 40 45
 Cys Leu Trp Leu Lys Ala His Leu Cys Gly Pro Gln Arg Asn Tyr Leu
 50 55 60
 Pro Leu His Ser Ser Ser Trp His Leu Ser Leu Met Asp Ser Tyr Tyr
 65 70 75 80
 Pro Leu Leu Leu Leu Cys Ala Phe Met His Ile Ile Leu Ala Pro Pro
 85 90 95
 Asp Gln Leu Ser Leu Gly Gln Gly Phe Asp Leu Val Pro Ile Tyr Ser
 100 105 110
 Ser Pro Arg Ala Ser Leu Leu His Thr Val Gly Trp Gly Lys Ile Phe
 115 120 125
 Ala Tyr Ala Asp Asp Leu Arg Lys Ile Ile Leu Gln Thr Gly Glu Val
 130 135 140
 Lys Ile Ser Leu Ser Cys Ser Ile Trp Asn Glu Leu Val Ala Gly Asn
 145 150 155 160
 Gln Leu Glu Val Ser Ser Glu Gly Asn Thr Trp Thr Tyr Pro Leu Leu
 165 170 175
 Gln Val Ser Tyr Leu Tyr Lys Asp Cys Val Pro Val Thr Asn Leu Phe
 180 185 190
 Leu Asn His Trp Cys Cys Tyr Leu Gln Glu Gly Leu Gly Gln Ile Cys
 195 200 205

Glu Glu Thr Ser Met Tyr Thr His Pro Tyr His Leu Lys Asn Lys Phe
 210 215 220
 Val Cys Val Pro Leu Met Lys Tyr Glu Glu Arg Ser His Ser Phe Gln
 225 230 235 240
 Ser Thr Gln Ala Leu Cys Leu Gly Leu Leu Ala Thr His Ala Lys Ile
 245 250 255
 Leu Tyr Gln His Phe Val Lys Pro Thr Ile Leu Thr Val Pro Ala Leu
 260 265 270
 Gln Pro Val Ile Asp Ser Asn Phe Asn Ser Pro Leu Val Ala Ile Ser
 275 280 285
 Asp Ala Gln Cys Leu Cys Leu Leu Pro Leu Cys Ile Pro Ser Pro Ala
 290 295 300
 Leu Asn Ser Ala Gly Cys Ile Gln Glu
 305 310
 <210> 218
 <211> 313
 <212> PRT
 <213> Homo sapiens
 <400> 218
 Thr Cys Ser Ser Thr Asp Ser Lys Val Ile Leu Lys Ser Gln Leu Asn
 1 5 10 15
 Val Ile Thr Arg Cys Arg Asp Ser Arg Tyr Val Tyr Ser Glu Arg Asn
 20 25 30
 Cys Ser Pro Ser Val Ile Leu Ile Lys Val Lys Ser Phe Gln Asn Ala
 35 40 45
 Met Val Gly Gln Thr Asn Arg His Ser His Ser Lys Arg Glu Lys Glu
 50 55 60
 Gly Ile Leu Gln Gln Gln Gln Ser Lys Arg Ile Leu Arg Leu Gln Asn
 65 70 75 80
 Asn Leu Leu Leu Met Pro His Leu Pro Ile Phe Gln Ala His Leu Gly
 85 90 95
 Arg Arg Trp Ala Pro Lys Ala Leu Gly Val Pro Val Pro Ala His Met
 100 105 110
 Thr Ala Leu Thr Tyr Ser His Met Pro Gly Trp Lys Cys Pro Leu Val
 115 120 125
 Ala Leu Leu Val Tyr Gly Gln Arg Val Gly Leu Leu Leu Cys Gln
 130 135 140
 Ala Gln Pro Trp Arg Leu Phe Val Val Ala Pro Pro Leu Cys Gln Phe

145 150 155 160
 Phe Ala Ala Ser Arg Leu Ser Arg Ala Ser Phe Glu Ile Cys Val Glu
 165 170 175
 Ser Ala Phe Pro Leu Trp Tyr Cys Thr Val Cys Pro Gly Gly Asp Asp
 180 185 190
 Thr Arg Thr Leu Pro Thr Phe Ile Ile Cys Ala Leu Gln Lys Gly Gly
 195 200 205
 His Trp Ser Pro His His Thr Trp Thr Leu Trp Ser His Ala Trp Asn
 210 215 220
 Asp Ala Val Leu Cys Gln Lys Ala Gly Ser Arg Asp Glu Val Ala Gly
 225 230 235 240
 Arg Lys Cys Ala Pro Val Gly Ile Leu Gly Pro Ser Phe Asp Leu Val
 245 250 255
 Leu Ser Pro Arg Pro Trp His Ala Gly Pro Val Met Gly Ala Ala Ala
 260 265 270
 Val Met Met Ser Glu Met Leu Leu Val Gly Val Ile Pro Pro Leu Pro
 275 280 285
 Lys Ala Pro Gly Phe Cys Ser Ser Met Leu Ile Ser Asn Gly Cys Trp
 290 295 300
 Ala Thr Ser Leu Val Phe Ser Pro Lys
 305 310

<210> 219
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 219

His Arg Asn Ile Leu Gln Asn Phe Asn Ile Thr Val Leu Asn Ser Val
 1 5 10 15
 Lys Thr Lys Asp Asn Pro Leu His Pro Asn Met Thr Ala Phe Asn Ile
 20 25 30
 Leu Leu Tyr Phe Ser Leu Phe Ala Met Tyr Ile Ile Leu Gln Ser Cys
 35 40 45
 Asn His Thr Gln Tyr Met Ile Leu Ser Cys Phe Pro Thr Tyr His Tyr
 50 55 60
 Arg Tyr Phe Tyr Cys Tyr Ile Val Phe Met Val Val Ile Val Asn Ser
 65 70 75 80
 Tyr Ala Val Ile Val His Ile Glu Val Leu Tyr Leu Leu Ser Tyr Pro
 85 90 95

Ile Ile Phe Lys Gln Phe Leu Ile Ser Phe Tyr Asn Lys His Gly His
 100 105 110
 Ile Ser Asp Arg Gly Val Leu Phe His Ile Leu Thr Tyr Phe Ser His
 115 120 125
 Ser Val Thr Ile Thr Pro Lys Asn Thr Asn Phe Leu Ser Leu Asp Val
 130 135 140
 Tyr Phe Gln Lys Ile Phe Lys Arg Cys Ile Asn Leu Leu Cys Ser Trp
 145 150 155 160
 Cys Lys Arg Pro Phe Cys His Cys Phe Leu Glu Ser Arg Ala Ser Lys
 165 170 175
 Ser Arg Asp Met Trp Leu Gly Gly Arg Asn Pro Ala Trp Gly Arg His
 180 185 190
 Ser Val Lys Asn Ser Ser Ser His Trp Tyr Thr Gly Phe Ile Phe Leu
 195 200 205
 Cys Phe Leu Gln Thr Glu Gln Leu Ile Thr Leu Trp Val Leu Phe Val
 210 215 220
 Phe Thr Ile Val Gly Asn Ser Val Val Leu Phe Ser Thr Trp Arg Arg
 225 230 235 240
 Lys Lys Lys Ser Arg Met Thr Phe Phe Val Thr Gln Leu Ala Ile Thr
 245 250 255
 Gly Lys Leu Cys Lys Glu Ala Gly Ser Tyr Met Ser Pro Tyr Gly Phe
 260 265 270
 Leu Leu Leu Met Asn Phe Ile Lys Lys Lys Lys Met Arg Ile Gly Gln
 275 280 285
 Phe Gly Asn Asn Phe Lys Asn Ile Lys Pro Ile Phe Glu Tyr Phe Leu
 290 295 300
 Trp His Thr His Ile Met Pro Leu Arg Phe His Tyr Lys Ser
 305 310 315

<210> 220

<211> 320

<212> PRT

<213> Homo sapiens

<400> 220

Ile Ile Pro Ser Val Ile Phe Phe Tyr Cys Arg His Cys Lys Ser Leu
 1 5 10 15
 Asn Leu Asp Lys Ser Tyr Ser Gly Gln Asn Lys Asn Phe Thr Val Ile
 20 25 30
 Asn Val Cys Ser Cys Thr Cys Glu Val Lys Ser Phe Ser Leu Leu Ser
 35 40 45

Asn Ser Tyr Val Pro Asn Ile Phe Ser Lys Phe Leu Lys Thr Tyr Asn
 50 55 60
 Gly Glu Lys Asn Asn Pro Phe Ser Ser Pro Ala Ser Leu Met Lys Asn
 65 70 75 80
 Ser His Phe Ser Leu Phe Leu Leu Phe Leu Leu Val Val Phe His Ile
 85 90 95
 Ser Cys Leu Ser Ala Val Ser Cys Phe Met Gln Phe Arg Pro Tyr Leu
 100 105 110
 Leu Thr Ser Leu Ser Phe Gln Tyr Lys Asp Ser Cys Ile Phe Ser Phe
 115 120 125
 Asn Phe Thr Phe Leu Asn Ser Pro Phe Pro Phe Cys Asp Pro Gly Ile
 130 135 140
 Ser Gly Val Leu Phe Phe Phe Ile Leu Pro Asp Phe Ile Tyr Ile Cys
 145 150 155 160
 Val Tyr Ser Phe Leu Leu Phe Phe Lys Leu Lys Thr Cys Leu Ser Ser
 165 170 175
 Lys Ser Gly Ser Phe Phe Phe Ser Trp Arg Pro Leu Ser Gln Asn Pro
 180 185 190
 Leu Ser Phe Cys Phe Asn Glu Asp Tyr Met Leu Ser Leu Trp Leu Pro
 195 200 205
 Ser Cys His Trp Ser Ser Ser Leu Cys Cys Tyr Pro Gly Leu Lys Leu
 210 215 220
 Leu Phe Leu Asp Pro Ile Leu Ser Leu Ser Trp Phe Ile Thr Leu Phe
 225 230 235 240
 Cys Trp Gly Thr Ser Ser Cys Met Trp Asn Val Met Ser Ala Ser Leu
 245 250 255
 Cys Phe Lys Met Tyr Ile Phe Cys Pro Leu Phe Asp Leu Ala Glu Asn
 260 265 270
 Arg Ile Leu Asp Cys Lys Ile Gln Lys Leu Leu Gln Arg Leu His His
 275 280 285
 Arg Gln Lys Asn Leu Cys Thr His Phe Pro Pro Thr Ser Ser Pro Pro
 290 295 300
 Ala Ala Arg Ser Asn His Glu Ser Phe Cys Gln Asn Arg Phe Ala Tyr
 305 310 315 320
 <210> 221
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 221

Cys Ile Lys Val Phe Ile Leu Lys Gly Lys Ala Thr Met Ile Ala Gln
1 5 10 15
Leu Trp Tyr Ile Ile Ile Ser His Ile Ile Phe Leu Leu Leu Glu Lys
20 25 30
Gly Ile Tyr Asp Phe Ser Arg Met His Thr Glu Lys Pro Leu Cys Ile
35 40 45
Ile Leu Cys Glu Ser Lys Leu Cys Thr Tyr Phe Glu Val Ile Cys Ile
50 55 60
Leu Cys Arg Arg Lys Glu Asn Asn Leu Leu Tyr Phe Val Cys Gly Ile
65 70 75 80
Gly Asn Val Phe Leu Thr Lys Pro Lys Asn Ile Ser His Ser Lys Gly
85 90 95
Lys Met Gly Leu Asn Glu Lys Met Val Asp Leu Lys Tyr Gly Gly Arg
100 105 110
Phe Phe Trp Gly Thr Leu Asp Leu Ile Met Phe Phe Ser Ile Pro Phe
115 120 125
Leu Gln Met Phe Ile Ile Leu Leu Leu Phe Ile Tyr Ala Ala Ile Ile
130 135 140
Tyr Val Cys Ser Cys Phe Ser Cys Ser Gln Thr Leu Tyr Asn Val Ile
145 150 155 160
Ile Gln His Glu Ser Phe Ser Ile Leu Leu Phe Leu Val Asn Ile Ile
165 170 175
Ile Trp Gly Tyr Trp Cys Thr His Cys Gln Phe Ile His Phe Asn Tyr
180 185 190
Ser Thr Gly Phe Trp Ser Met Asn Ile Ser Tyr Phe Ile Tyr Leu Tyr
195 200 205
Pro Ile Asp Val Tyr Leu Val Pro Ile Phe Ala Val Lys Asn Asn Ala
210 215 220
Ala Ile Lys Pro Ser Gly Ile Cys Phe Ser Lys Cys Ile Pro Arg Ser
225 230 235 240
His Arg Phe Ser Gly Cys His Ser Leu Lys Leu Leu Gly Lys Thr Val
245 250 255
Arg Ile Leu Gly Asn Leu Leu Asn Leu Thr Trp Leu Asn Phe Leu Ala
260 265 270
Gln Met Arg Val Val Leu Asp Leu Ile Lys Asn Met Val Ile Phe Cys
275 280 285
Glu Thr Leu Ala Asn Tyr Asp Asn Lys Trp Ser Leu Gly Ile Ser Val

290 295 300
 Ile Thr Ala Ile Lys Arg Gly Leu Lys Tyr Pro Lys Glu Lys
 305 310 315

 <210> 222
 <211> 317
 <212> PRT
 <213> Homo sapiens

 <400> 222

 Asn Tyr Leu Ser Asp Cys His Ser Phe Met Glu Leu Ser Val Asn Lys
 1 5 10 15

 Val Leu Leu Tyr Val Asn Met Arg Leu Ile Phe Phe Leu Ser Leu Leu
 20 25 30

 Phe Gly Leu Tyr Phe Phe Gln Val Arg Ala Ile His Gly Ser Ala Ser
 35 40 45

 Thr Asp Gln His Leu Leu Ser Tyr Phe Ala Ile Trp Leu Pro Gly Leu
 50 55 60

 Arg Glu Cys Phe Phe Asn Leu Tyr Trp Trp His Cys Trp Leu Leu Ile
 65 70 75 80

 Leu Leu Phe Val Leu Ala Arg Leu Leu Phe Lys Arg Arg Val Ile Asn
 85 90 95

 Ser Val Leu Arg Ala Glu Val Lys Tyr Arg Met Glu Leu Glu Glu Asn
 100 105 110

 Glu Ala Ser Ile Ser Val Lys Lys Ser Phe Ile Lys Ala Val Gly Asp
 115 120 125

 Arg Glu Leu Gly Val Thr Ile Leu Val Pro Ile Val Met Val His Pro
 130 135 140

 Gly Lys Ile Gln Gly Lys Arg Glu Ser Leu Trp Lys Ser Phe Gly Cys
 145 150 155 160

 Val Leu Ser Cys Phe Arg Lys Leu Ala Asn Phe Tyr Thr Ser Val Phe
 165 170 175

 Arg Leu Ser Cys Leu Asp Thr His Pro Thr Gln Ser Ala Gln Gln Tyr
 180 185 190

 Phe Leu Cys Ser Ser Leu Ser Pro Gly Ile Arg Met Ala Pro Leu Gly
 195 200 205

 Glu Leu Leu Ser His Met Ile Lys Asp Leu His Tyr Phe Leu Ser Lys
 210 215 220

 Ser Arg Arg Lys Val Gly Glu Leu Ala Trp His Leu Ala Gly Thr Tyr
 225 230 235 240

Leu Ile Ser Leu Pro Leu Arg Leu Phe Ile Asp Ile Phe Thr Phe Tyr
 195 200 205
 Phe Glu Ile Ile Val Asp Ser Gln Glu Val Thr Arg Glu Arg Ser Cys
 210 215 220
 Val Leu Phe Thr Gln Ile Ser Pro Met Leu Arg Phe Tyr Ile Thr Val
 225 230 235 240
 Ile Gln Tyr Glu Asn Gln Glu Thr Asp Ile Gly Ser Ile Tyr Val Tyr
 245 250 255
 Thr Ser Met Pro Phe His His Val Met Pro Pro Ser Pro Ser Cys Arg
 260 265 270
 Thr Val Pro Ser Pro Arg Arg Ser Ala Thr Cys Cys Ser Phe Lys Val
 275 280 285
 Ile Pro Ala Leu Phe Pro Val Pro Thr His Cys His Tyr Ala Pro Leu
 290 295 300
 Val Thr Thr Asn Leu Phe Ser His Leu Tyr
 305 310
 <210> 224
 <211> 321
 <212> PRT
 <213> Homo sapiens
 <400> 224
 Lys Pro Ser Ser Gly Cys Gly Gly Trp Met Trp Asp Trp Met Gly Thr
 1 5 10 15
 Gln Lys Asn Ile Lys Thr Met Ala Thr Val Ile Ile Ile Val Ile Asn
 20 25 30
 Ser Gln Asp Asn Asn His Leu Ala Thr Val Ala Met Tyr Leu Lys Asp
 35 40 45
 Tyr Ser Leu Gly Val Phe Phe Leu Met Ser Met Glu Gln Asp Asp Trp
 50 55 60
 Ala Phe Glu Asp Ile Lys Glu Thr Lys Gly Pro Asp Cys Asn Gln Arg
 65 70 75 80
 Phe His Ser His Arg Pro Gly Phe Thr Trp Gln His Thr Phe Trp Thr
 85 90 95
 Phe Phe Phe Phe Ser Gly Lys Glu Thr Gly Ser Val Glu Asn Gly Arg
 100 105 110
 Met Arg Thr Asn Cys Arg Ala Leu Pro His Ser Trp Thr Leu Ser His
 115 120 125
 Ser Ser Arg Trp Gly Pro Pro Ala His Cys Trp Leu Cys Pro Pro Gln

130	135	140
Phe Leu Arg Ile His Thr Asp Phe Ala Lys Ile Leu Arg Tyr Val Gly		
145	150	155 160
His Glu Leu Trp Val Cys Ala His Leu Val Pro Ser Leu Tyr Ser Thr		
	165	170 175
Leu His Ser Ser Gly Val Phe Leu Thr Ala Gly Ala Thr Phe His Leu		
	180	185 190
His His Tyr Tyr Ile Lys Trp Ala Ser Ile Phe Pro Ser Glu Phe Gln		
	195	200 205
Pro Leu Ser Gly Asn Leu Thr Phe Phe Leu Val Ser Phe Ala Leu Arg		
	210	215 220
Phe Cys Pro Phe Tyr Cys Ser Asn Glu Phe Thr Gln Pro Ser Ile Pro		
225	230	235 240
His Glu Ser Gly Gln Asp Pro Val Thr Cys Asp Ser His Thr Asp Cys		
	245	250 255
Val Arg Val Thr Pro Pro Val Pro Gly Phe Pro Glu Pro Cys Leu Ser		
	260	265 270
Arg Leu Thr Gly Gln Ser Trp Asp Met Asn Trp Ala Pro Glu Leu Ala		
	275	280 285
Leu Phe Val Ser Arg Ser Ser Arg Cys Leu Cys Arg Leu Pro Asn Pro		
	290	295 300
Cys Ser Trp Ala Trp Val Ala Glu Ser Ala Gly Arg Leu Trp Cys Met		
305	310	315 320

His

<210> 225
 <211> 314
 <212> PRT
 <213> Homo sapiens

<400> 225

Leu Cys Tyr Cys Val Ile Ile Ile Ile Val Pro Phe Pro Ser Ile Pro	
1	5 10 15
Gln Thr His Thr Tyr Val Glu Ile Leu Arg Gly Asp Asp Val Leu Phe	
	20 25 30
Thr Ser Ala Cys Leu Met Leu Ser Pro Val Leu Gly Thr Asn Ala Ile	
	35 40 45
Val Phe Leu Glu His Glu Ile His Gln Lys His Glu Trp Ile Trp Trp	
	50 55 60

Gly His Lys Arg Leu Thr Pro Gly Ser Arg Asn Leu Gly Gly Glu Thr
 65 70 75 80
 Ser Gly Leu Glu Gly Ala Glu Asp His Cys Val Arg Ser Thr Trp Phe
 85 90 95
 Trp Leu Ala Gly Leu Ala Arg Met Gln Arg Ser Phe Trp Val Leu Leu
 100 105 110
 Lys Phe Lys Thr Thr Ile Ile Ile Asn Ile His Leu Val Leu Thr Met
 115 120 125
 Cys Gln Ser Leu Ile Ala Phe Tyr Val Phe Ser His Ser Ser Lys Phe
 130 135 140
 Gly Leu Asp Ile Phe Pro Val Tyr Thr Ile His Met Arg Lys Arg Val
 145 150 155 160
 Glu Gln Gly Gly Ala Glu Thr Cys Pro Arg Ile His Ser Lys Asn Gly
 165 170 175
 Asn Trp Asp Trp Ser Pro Arg Asp Ser Cys Phe Leu Asp Phe Val Phe
 180 185 190
 Leu Ile Ser Leu Pro Leu Arg Leu Phe Ile Asp Ile Phe Thr Phe Tyr
 195 200 205
 Phe Glu Ile Ile Val Asp Ser Gln Glu Val Thr Arg Glu Arg Ser Cys
 210 215 220
 Val Leu Phe Thr Gln Ile Ser Pro Met Leu Arg Phe Tyr Ile Thr Val
 225 230 235 240
 Ile Gln Tyr Glu Asn Gln Glu Thr Asp Ile Gly Ser Ile Tyr Val Tyr
 245 250 255
 Thr Ser Met Pro Phe His His Val Met Pro Pro Ser Pro Ser Cys Arg
 260 265 270
 Thr Val Pro Ser Pro Arg Arg Ser Ala Thr Cys Cys Ser Phe Lys Val
 275 280 285
 Ile Pro Ala Leu Phe Pro Val Pro Thr His Cys His Tyr Ala Pro Leu
 290 295 300
 Val Thr Thr Asn Leu Phe Ser His Leu Tyr
 305 310
 <210> 226
 <211> 312
 <212> PRT
 <213> Homo sapiens
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 <400> 226
 Gly Ala Arg Gly Gly Glu Ala Ser Thr Ser Leu Glu Ser Gln Val Glu
 1 5 10 15

Asp Thr Ala Glu Gln Thr Ser Asn Leu Ile Thr Val Thr Leu Ile His
 20 25 30
 Pro Gln Leu Ala Lys Tyr Thr Leu Ile Val Asn Phe Leu Pro Leu Trp
 35 40 45
 Ser Leu Ser Asp Ile Ser Thr Asp Leu Leu Phe Ile Leu Leu Arg Leu
 50 55 60
 Arg Asn Ile Ile Arg Ile Leu Gln His Leu Gly Glu Ile Ile Glu Ser
 65 70 75 80
 Ala Met Val Ser Phe Ala Asp Ile Tyr Ser Trp Ser Lys Trp Asn Thr
 85 90 95
 Asn Gln Asn Trp Leu Pro Tyr Ile Leu Gln Arg Pro Thr Gly Gly Lys
 100 105 110
 Gly Leu Trp Lys Val Cys Phe Ala Thr Arg Gln Ile Leu Asp His Pro
 115 120 125
 Val Ser Gly Ser Ile His Ser Phe Pro Asp Ser Pro Asp Asp Ile Pro
 130 135 140
 Pro Ser Phe Thr Tyr Ile Asn Ser Thr Val Pro Ile Cys Tyr Ile Ala
 145 150 155 160
 Ser Phe Leu Leu Phe Ile Ile Cys Leu Pro His Gln Asn Ala Ser Ser
 165 170 175
 Ile Trp Ala Val Ala Thr Leu Phe Thr Val Tyr Leu Ser Val Ser Met
 180 185 190
 Lys Ser Asp Ile Met Pro Gly Ile Tyr Tyr Glu Leu Asn Asn Tyr Val
 195 200 205
 Asn Glu Ile Met Arg Lys Ser Cys Leu Ile Thr Cys Gln Pro Tyr Asn
 210 215 220
 Ala Ser Gln Phe Phe Pro Leu Gln Phe Leu His Leu Asn Trp Ile Thr
 225 230 235 240
 Gln Met Leu Thr Leu Trp His Cys Trp Asn Asn Tyr Leu Lys Ser Cys
 245 250 255
 Lys Phe Ile Ala Tyr Trp Lys Cys Gly Ser Glu Cys Asp Thr Pro Gln
 260 265 270
 Tyr Gly Val Leu Val Val Leu Thr Glu Gly Asn Lys Ser Phe Arg Asn
 275 280 285
 Lys Val Phe Leu Ala Phe Ser His Leu Ser Phe Ser Cys Ser Pro Phe
 290 295 300
 Phe Pro Lys Ala Asp Gln Arg Asn
 305 310

<210> 227
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 227

Gly	Cys	Ser	Pro	Glu	Asp	Asp	Leu	Gly	Cys	Ser	Gly	Val	Asn	Tyr	Pro
1				5					10					15	
His	Phe	Leu	Arg	Ala	Ser	Met	Trp	His	Ser	Trp	Pro	Trp	Ala	Ser	Ala
			20					25					30		
Cys	Pro	Ala	Asn	Ala	Gln	Pro	Val	Pro	Ala	Val	Pro	Pro	Pro	Leu	Ala
		35					40					45			
Ala	Gln	Pro	Gln	Val	Trp	Pro	Ser	Gly	Leu	Tyr	Pro	Arg	Pro	Pro	His
	50					55					60				
Leu	Pro	Thr	Leu	Phe	Leu	Cys	Ser	Glu	Leu	Ser	Thr	Ala	Ala	Pro	Ala
65					70					75					80
Pro	Trp	Leu	Pro	Leu	Ile	Leu	Cys	Leu	Val	Ser	Phe	Phe	Gly	His	Ser
				85					90					95	
Phe	Ala	Ala	Thr	Leu	Tyr	Trp	Ile	Thr	Leu	Leu	Gly	Val	Leu	Ile	Ile
			100					105					110		
Ser	His	Pro	Leu	Leu	Leu	Pro	Asn	Gly	Pro	Ser	Thr	Ile	Ser	Phe	His
		115					120					125			
Arg	Leu	Asn	Gly	Lys	Gly	Gly	Val	His	Ile	His	Arg	Ile	Lys	Gln	Val
	130					135					140				
Met	Pro	Leu	His	Ser	Gly	Val	Cys	Asp	Asp	Asn	Phe	Tyr	Ala	Phe	Tyr
145					150					155					160
Thr	Asn	Ile	Phe	Val	Ser	Leu	Cys	Phe	Leu	Pro	Cys	Leu	Arg	Ala	Leu
				165					170					175	
Gln	Gly	Leu	Ala	Leu	Gly	His	Pro	Val	Leu	His	Thr	His	Thr	Arg	Thr
		180						185						190	
His	Thr	Arg	Thr	Cys	Thr	His	Val	His	Thr	His	Ala	His	Thr	His	Thr
		195					200					205			
His	Thr	His	Lys	His	Thr	His	Ser	Leu	Ala	Leu	Ala	Asn	Ala	Ser	Leu
	210					215					220				
Ala	Leu	Thr	Thr	Asn	Val	Ser	Ala	Ser	Asp	Leu	His	Asn	Leu	Ile	Trp
225					230					235					240
Leu	Phe	Leu	Phe	Leu	Gly	Val	Ile	Cys	Leu	Pro	Glu	Gly	Arg	Ala	Asn
				245					250					255	
Ser	Pro	Ala	Ile	Pro	Ala	Ala	Tyr	Ser	Leu	Pro	Val	Pro	Ser	Phe	Pro

260	265	270
Arg Arg Gln Gln Thr Glu Arg Gly Lys Arg Tyr Lys Glu Ala Trp Gly		
275	280	285
Trp Gly Lys Glu Ser Ser Tyr Leu Thr Ser Ala Pro Leu Thr Leu Leu		
290	295	300
Gly Glu Val Pro Thr His Ser Ser Gly Met Thr Thr Arg Met Val Ser		
305	310	315
		320
Leu		

<210> 228
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 228

Asp Cys Ala Ala Ala Leu Pro Gly Gln Ser Lys Thr Pro Phe Gln Lys		
1	5	10
		15
Lys Lys Lys Lys Lys Lys Glu Arg Lys Glu Phe Met Asp Val Ile Val		
20	25	30
Lys Gly Leu Val Pro Ser Pro Ile Ser Cys Phe Pro Ser Cys His Val		
35	40	45
Thr Cys Trp Phe Pro Phe Thr Phe Cys His Asp Trp Lys Leu Pro Gly		
50	55	60
Ala Ser Pro Glu Ala Lys Gln Met Pro Gly Pro Cys Phe Leu Tyr Ser		
65	70	75
		80
Leu Leu Asn Pro Glu Pro Asn Lys Pro Leu Phe Ile Thr Asn Tyr Leu		
85	90	95
Gly Ser Asp Ser Pro Leu Gln Cys Lys Trp Thr Asn Thr Pro His Asp		
100	105	110
Leu His Pro Gln Thr Thr Gly Gly Thr Gln His		
115	120	

<210> 229
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 229

Ser Ala Cys Gly Gly Phe Asn Gly Leu His Phe Tyr Ser Asn Ile Ser		
1	5	10
		15
His Gln Leu Tyr Ile Tyr Tyr Leu Lys Val Phe Leu Phe Ile Val Phe		
20	25	30

Gln Phe Ile Phe Gln Ile Arg Ser Lys Gln Asn Tyr Ser Trp Arg Leu
 35 40 45

 Cys Cys Leu His Pro Gln Tyr Gln Met Phe Met Ala Ser Thr Glu Pro
 50 55 60

 Gly Val Ser Met Glu Ser Leu Arg Asp Cys Leu Ser Phe Ser Glu Glu
 65 70 75 80

 Ser Val Met Phe Ser Ile Pro Glu Glu Ala Glu Ile Thr Leu His Tyr
 85 90 95

 Phe Phe Glu Leu Cys Ala Gly Arg His Gly Ser Glu Ile Cys Leu Ser
 100 105 110

 Asp Ser Asn Ser Ser Ser Ile Cys Val Leu Val Phe Val Val Ala Phe
 115 120 125

 Cys Ile Gln Leu Pro Asp Asn Phe Phe Leu Met Phe Cys Cys Asn Leu
 130 135 140

 Val Lys Leu Leu Phe Tyr Lys Leu Met Phe Trp Tyr Phe Gly His Gln
 145 150 155 160

 Ile Leu Ala Arg Gly Lys Ile Arg Thr Arg Ser Thr Ser Cys Lys Thr
 165 170 175

 Lys Leu Ile Phe Leu Val Asp Phe Trp Asn Gly Leu Phe Cys Phe Pro
 180 185 190

 Ile Cys Val Tyr Phe Leu Lys Ser Cys Arg Cys Ile Tyr Glu Tyr Leu
 195 200 205

 Phe His
 210

 <210> 230
 <211> 204
 <212> PRT
 <213> Homo sapiens

 <400> 230

 Val Ile Asn Ser Ser Cys Pro Ser Ile Ile Gly Leu Gly Thr Pro Gly
 1 5 10 15

 Phe Ser Cys Ser Ser Ser Val Ile Gly Arg Lys Ile Gly His Trp Leu
 20 25 30

 Lys Gln Ile Leu Ser Phe Leu Gly Val Val Phe Thr Leu Lys Ala Leu
 35 40 45

 Arg Pro Leu Gly Gly Ser Ala Ile Leu Gln His Gly Arg Cys Pro His
 50 55 60

 Thr Trp Met Ala Ala Phe Tyr Tyr Tyr Ser Leu Asp Thr Gly Phe Phe

65		70		75		80
Ala His Val Tyr Thr Leu Gly Ser Ile Cys Tyr Pro Phe Phe Thr Leu						
	85			90		95
Lys Gln Val Ile Gly Lys Phe Ile Ser Ile Trp Lys Thr Asn Asp Gln						
	100		105			110
Lys Asn Pro Ser Asn Pro Lys Phe Thr Glu Ala Arg Leu Leu Lys Arg						
	115		120			125
Lys Asp Ile Phe Leu Cys Arg Lys Val Met Phe His Arg Gly Phe Cys						
	130		135			140
Asn Ala Leu Thr Leu Asp Arg Ser Pro Pro Ser Ile Leu Gly Ile Thr						
145		150		155		160
Ser Phe His Phe Ser Cys Lys His Ser Ser Pro Cys Thr Leu Gln Asp						
	165		170			175
Phe Ser Leu Phe Glu Ile Gly Leu His Ser Val Gly Arg Gly Asp Trp						
	180		185			190
Phe Gln Lys Glu Gly Ala Ala Gly Arg Asp Phe Ala						
	195		200			
<210> 231						
<211> 186						
<212> PRT						
<213> Homo sapiens						
<400> 231						
Gln Gly Arg Cys Thr Pro Pro Val Ile Leu Gly Val Ile Ser Ser Pro						
1	5		10			15
Pro Leu Asp Ile Arg Asn Asn Ile Thr Ala Gly Val Gly Val Val Tyr						
	20		25			30
Ser Leu Cys Asn Ile Gly Ser Asn Ile Ile Leu Ser Pro His Trp Ile						
	35		40			45
Leu Gly Thr Ile Ser Gln Glu Val Trp Thr Pro Pro Ala Ile Leu Gly						
	50		55			60
Val Thr Ser Phe Ser Phe Pro Ser Gly Tyr Glu Gln Tyr Cys Ile Gly						
65		70		75		80
Val Tyr Thr Pro Ser Asp Ile Arg Ser Asn Ile Ile Leu Ser His Ser						
	85		90			95
Gly Tyr Glu Gln Tyr Leu Arg Arg Ser Val Glu Pro Leu Arg Tyr Glu						
	100		105			110
Tyr His Pro Leu Pro Pro Trp Ile Leu Gly Thr Ile Thr Gln Gly Glu						
	115		120			125

Tyr Thr Ala Pro Val Ile Leu Arg Val Ile Ser Ser Pro His Leu Asn
 130 135 140

Ile Arg Asn Asn Ile Arg Gly Val Gly Tyr Thr Ile Cys Asp Ser Gly
 145 150 155 160

Arg Asn Ile Ile Leu Ser Pro Pro Gly Tyr Glu Gln Tyr His Lys Trp
 165 170 175

Ser Ile His Pro Leu Arg Tyr Trp Glu Tyr
 180 185

<210> 232

<211> 157

<212> PRT

<213> Homo sapiens

<400> 232

Asp Asn Leu Cys Ser Pro Cys Ser Ser Thr Pro His Ile Pro Ile Val
 1 5 10 15

Cys Pro Phe His Ser Ala Pro Phe Ser Val Gln Thr Glu Leu Phe Thr
 20 25 30

Asn His Tyr Pro Leu Leu Glu Met Glu Gly Ala Pro Phe Pro Thr Pro
 35 40 45

Pro Leu Pro Pro Gln Leu Ser Ser Pro Arg Arg Leu Ser Ile Asn Arg
 50 55 60

Leu Thr Ile Ser Leu Asn Phe His Ile Phe Val Trp Leu Ser Tyr Leu
 65 70 75 80

Phe Thr Phe Ile Asn Leu Leu Cys Phe Ser Leu Val Asn Gln Ser Phe
 85 90 95

Phe Ile Gly Val Ser Ala Val Ser Leu Tyr Asp Gly Glu Glu Lys Asn
 100 105 110

His Pro Leu Ser Thr Pro Thr Ser Asp Arg Ser Gln Asp Ile Pro Leu
 115 120 125

Lys Phe Gly Lys Val Asn Thr Ser Thr Pro Cys Ile Leu Pro Asp Asn
 130 135 140

Thr Lys Asn Phe Ile Gln Tyr Ile Tyr Tyr Met Ile Lys
 145 150 155

<210> 233

<211> 178

<212> PRT

<213> Homo sapiens

<400> 233

Arg Ser Arg Lys Val Asn Trp Pro Lys Val Gly Ile Tyr Ile Pro Val

1 5 10 15
 Leu Leu Leu Glu Cys Cys Leu Phe Leu Asn His Pro Trp Ser Arg Pro
 20 25 30
 Thr Pro Ser Cys Thr Tyr Thr Asn Pro Ile Leu Ser Gln Thr Gly Leu
 35 40 45
 Trp Leu Asp Ile Gly Glu Lys Gln Leu Asp Gly Leu Thr Pro Lys Lys
 50 55 60
 Asn Pro Ala Arg Asp Gly Gln Asn Phe Arg Gly Gly Leu Arg Tyr Arg
 65 70 75 80
 Pro Cys Leu Leu Leu Ser Ser Pro Ser Cys Arg Glu Pro Arg Phe Ile
 85 90 95
 His Asn Lys Ile Pro His Ile His His Pro Ser Ile Tyr Ser Cys Asn
 100 105 110
 Leu Ile Phe Pro Gly Trp Trp Thr Arg Ala Arg Glu Pro Gln Val Glu
 115 120 125
 Ile Gln Lys Ala Val Thr Leu Ala Leu Cys Pro Cys Trp Arg Arg Ala
 130 135 140
 Ala Ala Ser His Arg Gly Arg Gly Pro Thr Glu Leu Leu Thr Leu Lys
 145 150 155 160
 Pro Ser Ala Asp Gly Arg Ala Lys Thr Ala Leu Glu His Ala Leu Trp
 165 170 175

Gly Phe

<210> 234
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 234

Ile Glu Thr Lys Leu Asn Thr Phe Ala Lys Leu Leu Arg Ser Lys Phe
 1 5 10 15
 Leu Val Pro Arg Leu Glu Leu Pro Asn Ala Asp Lys Ser Ser Pro Val
 20 25 30
 Gly Ser Pro Thr Leu Phe Lys Gln Phe Leu Asp Phe Ala Pro Val Glu
 35 40 45
 Ala Asp Met Leu Asn His Lys Thr Pro Leu Leu Leu Ala Leu Ala Tyr
 50 55 60
 Cys Phe Gly Arg Ser His Phe Ser Lys Ile Arg Ala Ser Leu Ile Asn
 65 70 75 80

Thr Gly Ile Arg Phe Leu Ser Gly Val Gly Ile Pro Glu Asp Arg Ile
 85 90 95
 Ile Tyr Phe Ala Leu Ser Arg Cys Val Met Arg Thr Glu Ala Met Leu
 100 105 110
 Ile Arg Asp Pro Trp Glu Leu Val Ile Tyr Tyr Leu Leu Phe Leu Pro
 115 120 125
 Lys Ile Asp Leu Met Glu Arg Gly Cys Ile Ile Tyr Pro Leu Ser Lys
 130 135 140
 Glu Ala Phe Pro Asn Thr Thr Glu Ala Val Ile Leu Lys Thr Ala Leu
 145 150 155 160
 Trp Leu Cys Ser Gln Leu Tyr Phe Leu Pro Phe His Asn Phe Leu Pro
 165 170 175
 Ser Ala Met Glu Leu Met Gly His Thr His Ile His
 180 185

 <210> 235
 <211> 165
 <212> PRT
 <213> Homo sapiens

 <400> 235

 Lys Lys Lys Thr Pro Met Ile Trp Ile Leu Leu Ser Phe Leu Phe Ser
 1 5 10 15
 Gln Met Val Ile Leu Lys Leu Ile Glu Val Val Tyr Arg Val His Ser
 20 25 30
 His Thr Val Arg Lys Arg Gln Ser Gln Gly Leu Asn Ser Ser Ser Leu
 35 40 45
 Thr Ile Glu Pro Ile Phe Leu Ile Thr Ile Gln Tyr Phe Thr Ile Cys
 50 55 60
 Ser Ile Lys Arg Asn His Phe Ser Glu Trp Arg Asn Ile His Glu Asn
 65 70 75 80
 Lys Ser Ile Ile Gln Asp Thr Cys Lys Ala Ser Arg His Ser Arg Phe
 85 90 95
 Arg Leu Leu Ala Pro Trp Pro Arg Leu Ile Thr Phe Gln Glu Asn Lys
 100 105 110
 Thr Thr Tyr Gln Asp His Thr Ser Arg Asn Asp Leu Arg Ile Met Gly
 115 120 125
 Thr Ala Ile Trp Val Ser Asn Gly Leu Glu Ser Asp Lys Trp Phe Leu
 130 135 140
 Asn Arg Phe Pro Glu Trp Gly Asn Leu Val Leu His Gln Ala Thr Tyr
 145 150 155 160

Val Ile Phe Ile Leu
165

<210> 236
<211> 218
<212> PRT
<213> Homo sapiens

<400> 236

Ser Phe Leu Ser Phe Asn Arg Val Glu Lys Ile Ile Ile Ser Trp Glu
1 5 10 15

Pro Ser Phe Phe Tyr Tyr His Glu Cys Lys Cys Thr Ser Met Thr His
20 25 30

Leu Pro Leu Arg Ile Lys Leu Gln Tyr Lys Lys Tyr His Tyr Thr Tyr
35 40 45

Leu Ser Leu Ser Phe Asn Cys Leu Leu Glu Pro Ile Leu Phe Cys Leu
50 55 60

Pro Arg Thr Ser Thr Met Asp Tyr Pro Phe Thr Ile Ala Leu Ser Phe
65 70 75 80

Ser Ser Phe Cys Ile Cys Phe Pro Leu Ile Phe Lys His Asp Val Ile
85 90 95

Phe Ile Arg Asp Ile Asn Ile Leu Ile Thr Trp Phe Thr Arg Thr Thr
100 105 110

Pro Ser Ser Val Val Trp Arg Thr Lys Leu Leu Glu Arg Asp Val Gln
115 120 125

Thr Gln Tyr Leu Tyr Phe Cys Met Pro His Lys Ser Ser Leu Ile Phe
130 135 140

Ile Leu Ile Ser Leu Leu Lys Asp Val Thr Lys Asp Thr Asn Glu Phe
145 150 155 160

Gln Lys Ser Pro Asn Pro Met Glu Ile His Phe Pro Leu Ser Leu Ser
165 170 175

Ser Asn Ile Leu Pro Leu Val Phe Gln Asp Ser Phe Leu Leu Ser Phe
180 185 190

Leu Leu Thr Leu Phe Ser Ser Leu Lys Ile His Pro Pro Leu Pro Ser
195 200 205

His Lys Met Leu Arg Val Glu Gly Gly Ser
210 215

<210> 237
<211> 139
<212> PRT
<213> Homo sapiens

<400> 237

Thr Gln Cys Gln Phe Thr Lys Tyr Thr Ile Ile Tyr Ser Gln Asn Thr
1 5 10 15
Phe Ile Lys Arg Asn Phe Phe Lys Arg Arg Ser Cys Gln Cys Gln Tyr
20 25 30
Arg Asn Tyr Lys Asn Pro Phe Leu Phe Pro Leu Glu Ile Pro Ser Leu
35 40 45
Asp Cys Cys Ser Lys Asn Leu Ile Ser Lys Val Val Ser Leu Ser Leu
50 55 60
Asp Asn Asp Ile Arg Lys Cys Ser Arg Gln Ile Phe Ser Lys Ile Gln
65 70 75 80
Ser Ile Trp Tyr Leu Pro Lys Ser Lys Leu Gln Arg Glu Pro Glu Cys
85 90 95
Ser Pro Thr Ala Phe Ser Ser Ser Thr Gln Trp Ile Ser Tyr Met Leu
100 105 110
Asn Cys His Val Cys Ala Ser Leu Lys Cys Ala Phe Leu Phe Thr Glu
115 120 125
Met Arg Asp Val Leu Phe Met Ile Phe Ser Leu
130 135

<210> 238

<211> 213

<212> PRT

<213> Homo sapiens

<400> 238

Phe Gln Tyr Phe Val Thr Cys Arg Ser Lys Trp Trp His Ala Ser His
1 5 10 15
Leu Val Asn Ser Arg Ser Cys Cys Val Ser Asn Gly Asp Thr Leu Trp
20 25 30
Leu Leu Gln Met Val Thr Leu Pro Asn Cys Phe Pro Lys Arg His Val
35 40 45
Ala Phe Phe Ser Gln Ser Leu Ile Leu Thr Leu Met Val Ile Leu Leu
50 55 60
Tyr Phe Tyr Met His Leu Val Thr Cys Leu Ile Val Ile Phe Leu Glu
65 70 75 80
Ile Gln Phe Leu Leu His Arg Val Ser Phe Glu Ile Lys Glu Arg Glu
85 90 95
Val Ala Asn Leu Gly Cys Asn Asn Phe His Leu Lys Val Asp Pro Cys
100 105 110

Phe Tyr Tyr Pro Ile Ile Asn Val Phe Cys Phe Pro Leu Ser Ala Ser
 115 120 125
 Tyr Cys Ser Phe Asp Ser Tyr Cys Gln Thr Glu Leu Ser Cys Phe Leu
 130 135 140
 Ala Arg Lys Glu Thr Thr Met Asn Glu Pro Leu Asp Tyr Leu Ala Asn
 145 150 155 160
 Ala Ser Asp Phe Pro Asp Tyr Ala Ala Ala Phe Gly Asn Cys Thr Asp
 165 170 175
 Glu Asn Ile Pro Leu Lys Met His Tyr Leu Pro Val Ile Tyr Gly Ile
 180 185 190
 Ile Phe Leu Val Gly Phe Pro Gly Asn Ala Val Val Ile Ser Thr Tyr
 195 200 205
 Ile Phe Lys Met Arg
 210
 <210> 239
 <211> 168
 <212> PRT
 <213> Homo sapiens
 <400> 239
 Trp Phe Thr Tyr Pro Leu Asn Lys Gln Leu Leu Arg Ile Pro Ala Pro
 1 5 10 15
 Ala Gln Arg Gln Tyr Trp Gly Leu Cys Leu Arg Met Trp Ala Leu Glu
 20 25 30
 Leu Cys Gly Trp Gly Ser Asn Ser Gly Arg Ala Ala Val Arg Pro Trp
 35 40 45
 Thr Ser Gly Ser Ser Lys Thr Asp Arg Gln Phe Ile Phe Ile Leu Val
 50 55 60
 Pro Gln Ile Val Val Leu Leu Ser Asn Tyr Leu Gly Phe Ile Pro Arg
 65 70 75 80
 His Trp Glu Ser Lys Leu Phe Ser Phe Ser Cys Leu Gln Lys Ser Ser
 85 90 95
 Leu Thr Ile His Val Ala Tyr His Trp Ile Gly Leu His Ile Lys His
 100 105 110
 Phe Val Thr Thr Phe Ala Cys Gly Tyr Ile Leu Leu Ser Phe Ser Tyr
 115 120 125
 Phe Leu Leu Ala Leu Leu Glu Tyr Ser His Lys Ser Leu Ser Ser His
 130 135 140
 Phe Trp Pro Pro Phe Asp Ser Phe Ser Leu Leu Cys Cys Cys Glu Ser

145 150 155 160
 Phe His Val Gln Asp Ser Arg Trp
 165

 <210> 240
 <211> 185
 <212> PRT
 <213> Homo sapiens

 <400> 240

 Ser Thr Met Cys Ile Phe Phe Trp Ala Lys Met Arg Gln Arg Cys His
 1 5 10 15

 Val Asn Phe Ser Phe Leu His Thr Thr Ile Val Ser His Lys Thr Lys
 20 25 30

 Asn Lys Arg Lys His Met Phe Thr Val Gly Arg Ile Ile Thr Arg Ser
 35 40 45

 Ser Val Ala Trp Pro Lys Glu Pro Leu Pro Thr Tyr Trp Gly Cys His
 50 55 60

 Met Lys Gly Phe Ser Lys Arg Leu Ala Ile Phe Ile Lys Gly Val Arg
 65 70 75 80

 His Gly Ser Gly Gln Gln Thr Ser Leu Trp Lys Gly Ser Lys Leu Leu
 85 90 95

 Gln Gln Asn Glu Arg Ile Met Val His Leu Pro Thr Leu Cys Asn Leu
 100 105 110

 Trp Met Lys Pro Gln Pro Arg Lys Val Lys Leu Leu Cys Val Cys Val
 115 120 125

 Trp Gly Cys Glu Gly Arg His Arg Lys Gly Lys Ala Asp Arg Pro Trp
 130 135 140

 Lys Thr Asp Ile Ser Pro Gly Glu Trp Asn Gly Gln Ser His Asn Thr
 145 150 155 160

 His Val Leu Asn Ile Thr Cys Phe Arg Lys Tyr Asn Ile Lys Thr Leu
 165 170 175

 Phe Lys Ser Tyr Ser Leu Met Ile Ser
 180 185

 <210> 241
 <211> 196
 <212> PRT
 <213> Homo sapiens

 <400> 241

 Val Leu Asp Ile Asp Val Arg Met Gly Gly Leu Ser Tyr Pro Ser Pro
 1 5 10 15

His Val Phe Leu Leu Arg Asp Ser Asn Cys Asn Thr Ser Leu Val Phe
 20 25 30

Phe Ala Ser Ser Leu Ile Pro Tyr Gln Gly Lys Ser Ser Glu Leu Ser
 35 40 45

Asn Glu Ile Trp Lys Glu Lys Val Ser Lys Tyr Thr Gln His Tyr Ser
 50 55 60

Thr Ser Phe Ser Leu Gly Leu Ala Ser Leu Gln Arg Glu Tyr Ile Leu
 65 70 75 80

Leu Cys Ala Gly Ser Phe Pro Lys Leu Ile Ser Gly Phe Val Asn His
 85 90 95

Gly Thr Ile Asp Ile Leu Asp Gln Ile Ile Leu Cys Cys Met Ala Cys
 100 105 110

Ser Val Phe Cys Gln Ile Phe Gly Ile Ile Pro Gly Leu Asn Leu Pro
 115 120 125

Asp Ala Asn Ser Thr Phe Ser Leu Lys Thr Ile Glu Ile Phe Gln Asp
 130 135 140

Val Ala Lys Cys Pro Ser Gly Leu Lys Val Ala Pro Asn Ser Asn His
 145 150 155 160

Cys Phe Glu Ala Cys His His Arg Glu Gly Cys Leu Arg Leu Asn Val
 165 170 175

Cys Leu Arg Leu Ile Tyr Thr Pro Lys Ser Asn Ser Thr Val Thr Leu
 180 185 190

Ile Ser Arg Lys
 195

<210> 242
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 242

Phe Ala Leu Phe Pro Met Phe Ile Ile Ser Leu Asn Gly Thr Pro Ile
 1 5 10 15

Cys Met Val Ala Trp Glu Ile Tyr Gly Ile Ile Leu Glu Pro Ser Phe
 20 25 30

Phe Ile Ile Pro Met Ser Arg Ser Glu Ile Leu Ser Glu Tyr Ala Ser
 35 40 45

Leu Ile Tyr Leu Lys Leu Ala His Phe Lys Phe Leu Ser Ile Leu Thr
 50 55 60

Leu Leu Tyr Leu Asn Asp Tyr His Ser Pro Asn Cys Phe Leu Met Gly

65		70		75		80
Leu Ile Gly Lys	Thr Asn Leu Phe Leu	Ile Leu Pro Leu	Glu Leu Ser			
	85		90		95	
Phe Gln Thr	Arg Met Trp Pro Ser	Phe Phe Leu Thr	Asn Asp Leu Ile			
	100	105	110			
Val Pro Lys Thr	Lys Ser Ile Leu Ser	Leu Asn Asn Ile	Gln Gly Pro			
	115	120	125			
His Ser Arg Ser	Ser Leu Ile Pro Thr	Ser Val Phe Leu Ser	Ser Ser Ser			
	130	135	140			
Pro Ser Gln Ser	Thr Leu Ser His Thr	Arg Tyr Ser Thr	Trp Ser His			
145	150	155	160			
Ile Lys Leu Leu	Ser Ile Leu Gly Phe	Leu Leu Ala Phe	Asn Pro Leu			
	165	170	175			
Leu Gly Trp Cys	Ile Pro Gly Glu Trp	Ser Asn Pro Cys	Thr Cys Tyr			
	180	185	190			
His Ala Pro Thr	Phe Leu					
	195					
<210>	243					
<211>	180					
<212>	PRT					
<213>	Homo sapiens					
<400>	243					
Leu Cys Asp Gly	Val Met Arg Trp Gly	Arg Arg Val Trp	His His Ala			
1	5	10	15			
Thr Gly Phe Pro	Pro Lys Leu Ser Thr	Pro Arg Ser Thr	Ser Ala Ser			
	20	25	30			
Gly Met Ser Ala	Gly Ser Gln Arg Leu	Trp Arg Arg Gly	Ser Ser His			
	35	40	45			
Ala Val Gln Thr	Phe Asn Pro Leu Gln	Ser Ser Leu Ala	Arg Glu Gln			
	50	55	60			
Gln Ser Leu Leu	Glu Arg Asn Tyr His	Ser Lys Gln Glu	Phe Arg Pro			
65	70	75	80			
His Leu Ser Glu	Asp His Val Glu Val	His Leu Ala Gly	Lys Val Ala			
	85	90	95			
Ser Gly Cys Gly	Leu Phe Asn Tyr Thr	Leu Leu Phe Thr	Leu Phe Thr			
	100	105	110			
Ile Val Cys Lys	Val Gln His Leu Gln	Ala Arg Asn Thr	Gly Leu Pro			
	115	120	125			

His Ser Gly Trp Leu Gly Leu Met Lys Ala Ala Lys Gln Cys Ala Gln
 130 135 140

Ser Lys Gln Arg Leu Pro Leu Ala Gly Ala His Ser Pro Arg Glu Gly
 145 150 155 160

Ile Ser Phe Ser Leu Asp Leu Gly Ala Lys Ala Thr His Gly Ser Asp
 165 170 175

Gln Thr Thr Cys
 180

<210> 244
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 244

Val Glu Gln Leu Glu Thr His Gly Ser Val Leu Glu Trp Leu Val Trp
 1 5 10 15

Asp His Phe Leu Gly Asp His Ser Ala Leu Thr Asp Gln Thr Gln Val
 20 25 30

Asn Gly Thr Cys Pro Leu Pro Phe Pro Pro Gly Phe Gly Thr Val Ala
 35 40 45

Thr Arg Val Val Phe Pro Ser Arg Gln Leu Leu Arg Val Ile Pro Glu
 50 55 60

His Ser Leu Gly Ala Cys Ser Val Leu Thr Val Ile Ser Phe Ile Leu
 65 70 75 80

Thr Ala Ile Pro Phe Cys Ile Phe Ser Gly His Pro Gln Asp His Pro
 85 90 95

Gly Gln Pro Cys Leu Thr Pro Gly Leu Val Trp Leu His Asp Asn Lys
 100 105 110

Asp Ala Gly Pro Glu Thr Ile Pro Leu His Gly Ala Cys Ile Phe Pro
 115 120 125

Leu

<210> 245
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 245

Glu Ser Lys Met Leu Ile Gly Gly Ala Pro Pro Gln Cys Val Glu Asp
 1 5 10 15

Leu Ala Ala Leu Asp Ala Tyr Ser Gln Ala Leu Gly Thr Arg Glu Ala

	20		25		30
Pro Gly Leu Pro Phe Trp Ala Val Asp Leu Trp Gly Arg Ser Trp Pro	35		40		45
Leu Gly Trp Cys His Cys Ser Ser Tyr Pro Lys Cys Pro Phe Tyr Ala	50		55		60
Cys Ser Gly Leu Ala Ser Asn Thr Leu Lys Val Ser Ser Lys Gly Gln	65		70		75
Gly Arg Val Pro Cys Gly Lys Arg Trp Leu Phe Glu Ala Lys Ala Gln	85		90		95
Arg Arg His Ser Gln Arg Met Gly Arg Ala Ala Gly Gln Val Ser Ala	100		105		110
Ser Thr Trp Lys Thr Pro Ala Trp Leu Ala Ala Gly Glu Ile Val Leu	115		120		125
Pro Arg Cys Gln Leu Leu Ser Arg Pro Leu Pro Arg Glu Pro Ser His	130		135		140
Leu Ser Phe Ser Tyr Pro Ser Leu Arg Lys Ala Gln Ala Gln Gly Ala	145		150		155
Met Val Pro Cys Ser Gln Thr Val Ile Ser Glu Trp Pro Leu Val Trp	165		170		175
Gly Pro Arg Val Gln	180				

<210> 246
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 246

Gln Asn Thr Phe Tyr His Ile Asn Ser Cys Thr Met Ile Trp Leu Glu	1	5	10	15
Glu Lys Asn Ser Trp Lys Val Lys Phe Val Leu Lys His Leu Phe Lys	20	25	30	
Ser Leu His Thr Phe Ile Cys Pro Asp Lys Thr Cys Leu Asn Phe Phe	35	40	45	
Leu Lys Gln Leu Tyr Cys Pro Ser Ile Cys Leu Thr Lys Phe Phe Lys	50	55	60	
Gly His Phe Gln Pro Phe Gln Arg His Lys Val Gly Val Pro Lys Pro	65	70	75	80
Pro Phe Leu Ala Leu Pro Val Glu Asn Thr Met Leu His Ser Tyr Met	85	90	95	

Cys Pro Leu Thr Gln Thr Thr Leu Ile Leu Arg Arg Ser Leu Asp Leu
100 105 110

Lys Leu Leu Leu Leu Ala Val Pro Ala Asn Ser Arg Val Lys Glu Asp
115 120 125

Val Thr Arg His Thr Tyr Leu Pro Phe
130 135

<210> 247

<211> 149

<212> PRT

<213> Homo sapiens

<400> 247

Ser Pro Met Leu Gln Phe Tyr Arg Leu Gly Lys Leu Arg Ala Gly Val
1 5 10 15

Thr Cys Tyr Ser Ser Tyr Pro Gln Thr Tyr Lys Thr Lys Ser Phe Thr
20 25 30

Glu Val Lys Tyr Asn Leu Phe Gly Leu Leu Phe His Phe Thr Ile Leu
35 40 45

Ser Leu Leu Val Phe Ile Thr Ile His Ser Lys Glu Phe Ile His Val
50 55 60

Asp Thr Ser Glu Val Phe Leu Ile Ser Pro Val Arg Pro Val Val Lys
65 70 75 80

Leu Leu Trp His Tyr Ser Thr Phe Ser Leu Ser Val Phe Phe Pro Ser
85 90 95

Pro His Arg Ser Glu Leu Ile Ser Pro His Pro Gly Pro Ser Glu Ser
100 105 110

Phe Val Lys Ser Leu Leu Ser Asn Leu Ser Val Glu Arg Val Pro Leu
115 120 125

Cys Leu Ser Glu Ile His Thr Val Met Cys His Leu Thr Met Phe Gln
130 135 140

Ser Val Arg Asp His
145

<210> 248

<211> 145

<212> PRT

<213> Homo sapiens

<400> 248

Pro Ile Pro Pro Ser Glu Gly Leu Glu Lys Ala Phe Thr Phe Met Ser
1 5 10 15

Pro Gly Ile Arg Ser Pro Gln Thr Arg Asn Phe Phe Leu Ile Met Glu

	20		25		30										
Val	Trp	Gln	Trp	Ala	Thr	Lys	Pro	Lys	Val	Ser	Val	Leu	Leu	Ser	Asp
	35						40					45			
Ile	Ala	Ser	Leu	Arg	Asn	Arg	Gln	Pro	Gly	Arg	Asp	Gly	Met	Ser	Leu
	50					55					60				
Ile	Lys	Cys	Ser	Ala	Glu	Val	Ser	Ser	Arg	Gly	Leu	Trp	Cys	Cys	Pro
65					70					75					80
Ser	Gly	Cys	Asn	Ile	Cys	Thr	Lys	Pro	Val	Thr	Glu	Tyr	Tyr	Thr	Glu
			85						90					95	
Ser	Val	Val	Pro	Lys	Ile	His	Gly	Phe	Leu	Tyr	Gln	Gly	Leu	Asp	Ile
			100					105					110		
Glu	Ser	Ala	Leu	Val	Thr	Ile	Lys	Trp	Leu	Arg	Asn	Phe	Tyr	Phe	Ile
		115					120					125			
Cys	Pro	Gln	Leu	Arg	Trp	Ile	Arg	Ser	Val	Cys	Ile	Leu	Ala	Ser	Val
	130					135					140				
Cys															
145															

<210> 249
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 249

Leu	Thr	Ser	Val	Ser	Ser	Val	Lys	Pro	Lys	Leu	Ser	Lys	Cys	Glu	Ile
1			5						10					15	
Met	Lys	Cys	Val	Lys	Leu	Leu	Ile	Gln	Cys	Leu	Arg	Gln	Gln	Asn	Ser
			20					25					30		
Arg	Leu	Ile	Ile	Gln	Ser	Ile	Gln	Thr	Thr	Phe	Tyr	Gly	Asp	Asn	Leu
	35						40					45			
Trp	Ser	Glu	Arg	Leu	His	Lys	Cys	Ser	Phe	His	Ser	Tyr	Ser	Ser	Ser
	50					55					60				
Asn	Thr	Lys	Leu	Leu	Ser	Ile	Pro	Glu	Leu	Lys	Met	Thr	Leu	Leu	Thr
65					70					75					80
Asp	Leu	Tyr	Leu	Phe	Ile	Cys	His	Phe	Ser	Arg	Arg	Thr	Ala	Ile	Leu
				85					90					95	
Pro	Gln	Ser	Pro	Tyr	Ala	Phe	Val	Glu	Ser	Trp	Leu	Lys	Pro	Gln	Ala
			100					105					110		
Leu	Cys	Lys	Ala	Phe	Leu	Gly	Ile	Asp	Ile	Thr	Thr	Ile	Pro	Gln	Asn
	115						120					125			

Leu Leu Val Leu His Ala Ile Ser Gly Pro Trp Thr His Phe Tyr Cys
 130 135 140

Asn Lys
 145

<210> 250
 <211> 84
 <212> PRT
 <213> Homo sapiens
 <400> 250

Phe Thr Gln Glu Ser Ser Arg Pro Ser Thr Phe Gly Ala Asn Leu Glu
 1 5 10 15

Leu Gly Cys Arg Pro Ala Gly Thr Phe Ile Lys Cys Tyr Tyr Phe Ile
 20 25 30

Phe Ala Ser Glu Glu Leu Pro Asp Phe Val Lys Thr Leu Cys Asn Pro
 35 40 45

Ser Pro Phe Phe Trp His Ser Arg Gln Leu Asn Lys His Leu Leu Thr
 50 55 60

Pro Leu Leu Cys Val Ile Arg Cys Glu Arg His Trp Arg Tyr Glu Glu
 65 70 75 80

Pro Met Val Ser

<210> 251
 <211> 62
 <212> PRT
 <213> Homo sapiens
 <400> 251

Ala Pro Trp Gly Trp Ala Ser Val Ser Val Cys Ala Arg Leu Glu Met
 1 5 10 15

Ala Ser Arg Tyr Gly Leu Gln Glu His His Glu Val His Leu Ile Phe
 20 25 30

Ala Phe Leu Cys Gln His Val Cys His Leu Gln Cys Leu Thr Glu His
 35 40 45

Val Gly Pro Ala Met Trp Ala Val Ser Leu Pro Ser Ser Tyr
 50 55 60

<210> 252
 <211> 117
 <212> PRT
 <213> Homo sapiens
 <400> 252

Lys Lys Glu Pro Thr Met Ile Trp Ile Leu Leu Ser Phe Leu Phe Ser
 1 5 10 15
 Gln Met Val Ile Leu Lys Leu Ile Glu Val Val Tyr Arg Val His Ser
 20 25 30
 His Thr Val Arg Lys Arg Gln Ser Gln Gly Leu Asn Ser Ser Ser Leu
 35 40 45
 Thr Ile Glu Pro Ile Phe Leu Ile Thr Ile Gln Tyr Phe Pro Ile Cys
 50 55 60
 Ser Ile Lys Arg Asn His Phe Ser Glu Trp Arg Asn Ile His Glu Asn
 65 70 75 80
 Lys Ser Ile Ile Gln Asp Thr Cys Lys Ala Ser Arg His Ser Arg Phe
 85 90 95
 Arg Leu Leu Ala Pro Trp Pro Arg Leu Ile Thr Phe Gln Glu Asn Lys
 100 105 110
 Thr Thr Tyr Gln Asp
 115
 <210> 253
 <211> 134
 <212> PRT
 <213> Homo sapiens
 <400> 253
 Thr Phe Ile Lys His Phe Phe Ser Gly Leu Ser Phe Ser Pro Ser Cys
 1 5 10 15
 His Val Ala Ile Ile Ile Phe Thr Ser Ala Ser Ala Tyr Phe Lys Pro
 20 25 30
 His Asn Lys Leu Leu Ala Phe Phe Phe Ala Ile Asp Asn Asn Leu Lys
 35 40 45
 Met Thr Gln Asn Phe Asn Gly Phe Ile Tyr Pro Gln Phe Tyr Asp Phe
 50 55 60
 Arg Ser Ser Phe Leu Cys Val Asp Leu Leu Ile Tyr His Phe Leu Ser
 65 70 75 80
 Thr Ile Thr Ser Phe Asn Leu Ser Cys Ser Thr Gly Leu Leu Thr Ile
 85 90 95
 Asn Phe Phe Ser Phe Ser Leu Ser Lys Asn His Leu Phe Ser Leu His
 100 105 110
 Phe Cys Lys Ile Phe Ser Arg Val Ile Lys Phe Val Thr Ile Phe Phe
 115 120 125
 Glu Tyr Phe Lys Asp Leu
 130

<210> 254
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 254

Thr	Phe	Leu	Ser	Arg	His	Phe	Leu	Met	Trp	Lys	Arg	Phe	Thr	Glu	Ser
1				5					10					15	
Asp	Thr	Phe	Lys	Gly	Leu	Thr	Arg	Asp	Ile	Cys	Cys	Leu	Cys	Leu	Leu
			20					25					30		
Phe	Ser	Trp	Arg	Ser	Ala	Thr	Asn	Lys	Ala	Ser	Ser	Thr	Gln	Gly	His
		35					40						45		
Leu	Ser	Thr	Gly	Leu	Phe	Leu	Ser	Ser	Ser	His	Asn	Leu	Ser	Cys	His
	50					55					60				
Thr	Ile	Thr	Ser	Thr	Thr	Ser	Leu	Gly	Pro	Cys	Ser	Glu	Pro	Thr	Phe
65					70					75					80
Phe	Leu	Pro	Gln	Val	Gly	Ile	Ala	Ser	Ala	Pro	Tyr	Cys	Leu	His	Ser
				85					90					95	
Glu	Gly	Ser	Tyr	Val	His	Ala	Leu	Asn	Lys	Phe	Val	Ser	Pro	Ile	Asn
			100					105						110	
Val	Pro	Phe	Ala	Ser	Phe	Phe	Ser	Glu	Thr	Ser	Glu	Val	Gln	Arg	Gln
		115					120						125		
Pro	Leu	Pro	Ser	Ser	Arg	Cys	Ser	Thr	Tyr						
	130					135									

<210> 255
 <211> 155
 <212> PRT
 <213> Homo sapiens

<400> 255

Cys	Lys	Thr	Gly	Gly	Leu	Lys	Leu	Ile	Phe	Arg	His	His	Gly	Ile	Leu
1				5					10					15	
Tyr	Arg	Leu	Ser	Leu	Tyr	Leu	Glu	Asp	Val	Arg	Leu	Met	Glu	Val	Leu
			20					25					30		
Ser	Ile	Leu	Phe	Pro	Leu	Leu	Ile	His	Ser	Phe	Leu	Phe	Thr	Glu	Arg
		35					40						45		
Leu	Asn	Phe	Leu	Ser	His	Ile	Ser	Val	Leu	Leu	Ala	Pro	Leu	Phe	Phe
	50					55					60				
Pro	Leu	Leu	Gln	Lys	Ser	Gln	Pro	Gln	Lys	Gln	Ser	Thr	Tyr	Cys	Glu
65					70					75					80

<210> 257
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 257

His	Phe	Leu	Pro	His	Ile	Leu	Glu	Leu	Val	Leu	Phe	Leu	Ile	Lys	Ile
1				5					10					15	
Asn	Val	Ile	Phe	Arg	Gly	Ala	Ile	Phe	Cys	Phe	Gln	Asp	Phe	Phe	Lys
		20						25					30		
Glu	Val	Ile	Leu	Lys	Ala	Lys	Phe	Lys	Glu	Lys	Glu	Leu	Val	Ala	Leu
		35					40					45			
Val	Asp	Pro	Val	Gly	Ser	Ser	Phe	Leu	Cys	Trp	Ser	Ile	Phe	Cys	Ile
	50					55					60				
Pro	Phe	Glu	Phe	Ala	Phe	Leu	Phe	Asn	Ile	Phe	Trp	Tyr	Ser	Arg	Phe
65					70					75					80
Leu	Phe	Phe	Gly	Thr	Phe	Val	His	Ile	Asn	Phe	Leu	Val	Trp	Arg	Arg
				85					90					95	
Gly	Ile	Leu	Ile	Ala	Asn	Gly	Thr	Lys	Val	Tyr	Arg	Asp	Ile	Val	Gln
		100						105					110		
Pro	Leu	Leu	Phe	Phe	Leu	Phe	Leu	His	Ser	Ile	Leu	Val	Met	Gly	Asn
		115					120					125			

<210> 258
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 258

Lys	Gln	Ser	Tyr	Ile	Cys	Ile	Leu	Phe	Tyr	Ile	Tyr	Phe	Val	Ile	Phe
1				5					10					15	
Leu	Leu	Ser	Thr	Val	Ser	Ser	Leu	Leu	Pro	Phe	Leu	Ile	Glu	Glu	Phe
			20					25					30		
Asn	Ala	Cys	Ile	Cys	Val	Phe	Ala	Lys	Lys	Thr	Pro	Ser	Ile	Thr	Cys
		35					40					45			
Ser	Ile	Tyr	Glu	Tyr	Phe	Trp	Pro	Leu	Thr	Gln	Lys	Val	Leu	Tyr	Tyr
	50					55					60				
Arg	Gln	Lys	Ser	Thr	Arg	Lys	Gln	Ser	Gly	Thr	Ser	Ser	Lys	Arg	Asp
65					70					75					80
Ser	Ile	Val	Gly	Lys	Asn	Thr	Asp	Pro	Gly	Gly	Lys	Leu	Pro	Gly	Leu
			85						90					95	

Glu Ser Gln Leu Tyr Tyr Phe Gly Lys Thr Thr Tyr Leu Leu Tyr Leu
 100 105 110
 Phe Trp Tyr Pro Cys Leu Asn Gly Ser Asn Asn Asn Pro Leu Ile Ala
 115 120 125
 Leu Leu Gly Phe Asn Arg Ser Glu Asp Phe Arg Arg Ala His Asp Lys
 130 135 140
 Asn Tyr Ile Arg Val Thr Tyr Tyr Cys Tyr Pro Ile Cys His Ser Lys
 145 150 155 160
 Leu Arg Asp Leu Gly Gln Val Thr
 165
 <210> 259
 <211> 182
 <212> PRT
 <213> Homo sapiens
 <400> 259
 Leu Val Glu Trp Ala His Ser Ser Met Arg Pro Ile Phe His Leu Asn
 1 5 10 15
 Phe Leu Cys Leu Arg Asn Glu Leu Tyr Ser Asn Leu Cys Phe Leu Lys
 20 25 30
 Ile Asn Val Phe Leu Val Lys His Leu Val Ser Ser Gln Ile Leu Phe
 35 40 45
 Lys Lys Thr Thr Glu Asn Ser Glu Glu Gly Glu Thr Asp Ser Ala Asn
 50 55 60
 Ser Ile Ser Val Pro Arg Leu Asn Trp Glu Met Leu Leu Leu His Asp
 65 70 75 80
 Leu Gly Leu Ile Ile Cys Leu Gln Glu His Cys Phe Arg Val Val Trp
 85 90 95
 Tyr Ser Gly Arg Asn Gly Leu Trp Ser Glu Ile His Val Gln Ile Pro
 100 105 110
 Ser His Leu Pro Ser Leu Ile Leu Ser Phe Leu Ile Cys Lys Met Thr
 115 120 125
 Ile Ile Asn Thr Ile Ser Lys Ile Cys Gly Asp Asn Thr Ala Phe Thr
 130 135 140
 Ser Cys Cys Ile Leu Pro Ile Ser Ser Cys Arg Asp Arg Ile Phe His
 145 150 155 160
 Phe Ile Leu Ile Tyr Asn Tyr Val Ile Pro Phe Lys Asn His Pro Ser
 165 170 175
 Thr Phe Ser Ser Thr Arg
 180

<210> 260
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 260

Cys Ser Leu Leu Asp Phe Leu Met Leu Val Gly Ala Leu Arg Lys Leu
 1 5 10 15

Cys Thr Lys Leu Asp Pro Val Leu Gln Gly Ser Asp Leu Thr Glu His
 20 25 30

Ser Ala Trp Gly Val Pro Leu Ile Trp Thr Trp Asn Ser Ile Ile Gln
 35 40 45

Arg Pro Ser Leu Pro Cys Ser Leu Cys Val Thr Gly Ala Ala Glu Thr
 50 55 60

Gln Val Leu Ser Ala Ser Ala Gly Leu Gln Pro Cys Leu Cys Leu Leu
 65 70 75 80

Arg Ser Asp Ser Asn Cys Tyr Leu Trp Arg Trp Leu Phe Ile Gly Thr
 85 90 95

Pro Phe Leu Cys Leu Thr Glu Ala Gln Cys Ser Lys Leu Glu Gly Leu
 100 105 110

Cys Gln His Val Ser His Thr His Leu Leu Leu Phe Phe Ser Arg Val
 115 120 125

Leu Gly His Leu Leu Leu His Ile Thr Thr Ser Ser Pro Pro Ala Gln
 130 135 140

Leu Ala Leu Ser Pro Phe Pro Ile Tyr His Ala Val Leu Glu His Lys
 145 150 155 160

Ala Leu Leu Cys Ile Pro Cys Val Tyr Phe Val Val Met Cys Cys Ile
 165 170 175

Leu Lys Glu Leu Asn Leu Cys Pro Gly Ser Arg Lys Asn Ala Asp Gln
 180 185 190

Leu Leu Ala Ile Asp Gly Phe Asn Ile Ser Tyr Asp Trp Phe Leu
 195 200 205

<210> 261
 <211> 187
 <212> PRT
 <213> Homo sapiens

<400> 261

Gln Thr Lys Glu Glu Lys Gly Gln Val Lys His Thr Ile Gly Phe Thr
 1 5 10 15

Val Asn Met Ser Lys Val Leu Leu Ile Ile His Phe Met Tyr Pro Arg
 20 25 30
 Leu Trp Lys Lys Phe Phe Phe His Leu Pro Ile Lys Asn Ile His Leu
 35 40 45
 Gly Ile Thr Thr Ser Trp Ile Leu Leu Asp Arg His Thr Thr Thr Leu
 50 55 60
 Thr Val Leu Pro Ser Ser Arg Arg Leu Ala Arg Lys Ala His His Pro
 65 70 75 80
 Leu Pro Gly Ser Lys Val Asp Ser Leu Ile Phe Cys Ile Asn Pro Thr
 85 90 95
 Pro Asp Ser Phe Ser Tyr Ser Leu Leu Pro Cys Leu Phe Ser Tyr Leu
 100 105 110
 Met Val Asn Val Phe Leu Ser Ser Cys Ile Thr Phe Tyr Ser Phe Leu
 115 120 125
 Glu His Ile Ile Ile Ile Asn Lys Lys Ser Lys Ile Ala Met Val Ala
 130 135 140
 Arg Ile Pro Ala Pro Leu Asp Pro Ser Thr Ser Ser Ser Pro Gly His
 145 150 155 160
 Thr Trp Gln Arg Glu Ile Lys Val Leu Asp Gly Ile Lys Val Asn Gln
 165 170 175
 Leu Thr Leu Lys Gly Glu Lys Glu Ser Arg Leu
 180 185

<210> 262
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 262

Tyr Val Thr Ile Leu Leu Thr Val Leu Val Phe Leu Leu Arg Ser Leu
 1 5 10 15
 Pro Phe Gly Ile Arg Trp Ala Leu Ser Thr Gly Ile His Leu Asp Leu
 20 25 30
 Glu Val Ile Phe Cys His Val His Leu Val Ser Ile Phe Leu Ser Pro
 35 40 45
 Leu Asn Gly Ser Ala Asn Pro Val Ile Tyr Phe Phe Val Gly Ser Phe
 50 55 60
 Arg Gln Arg Gln Asn Arg Gln Asn Leu Lys Leu Val Leu Gln Arg Ala
 65 70 75 80
 Leu Gln Asp Met Pro Glu Val Lys Val Glu Gly Gly Phe Leu Arg Glu
 85 90 95

Pro Trp Ser Cys Arg Glu Ala Asp Ser Gly Ser Glu Glu Glu Pro Leu
 100 105 110
 Pro Cys Gln Ser Asp Gly Thr Leu Arg Ala Ile Leu Pro Cys His Ala
 115 120 125
 Gln Leu His Ala Phe Ser Cys Cys Ala Ser Glu Met Ser Gln Arg Leu
 130 135 140
 Lys Val Val Glu Met
 145
 <210> 263
 <211> 207
 <212> PRT
 <213> Homo sapiens
 <400> 263
 His Trp Arg Ser Leu Val Thr Trp Ala Glu Tyr Leu Glu Pro Arg Ile
 1 5 10 15
 Ser Ser Ser Met Val Asp Gln Leu Cys Asp Gly Val Met Arg Trp Gly
 20 25 30
 Arg Arg Val Trp His His Ala Thr Gly Phe Pro Pro Lys Leu Ser Thr
 35 40 45
 Pro Arg Ser Thr Ser Ala Ser Gly Met Ser Ala Gly Ser Gln Arg Leu
 50 55 60
 Trp Arg Arg Gly Ser Ser His Ala Val Gln Ser Phe Asn Pro Leu Gln
 65 70 75 80
 Ser Ser Leu Ala Arg Glu Gln Gln Ser Leu Leu Glu Arg Asn Tyr His
 85 90 95
 Ser Lys Gln Glu Phe Arg Pro His Leu Ser Glu Asp His Val Glu Val
 100 105 110
 His Leu Ala Gly Lys Val Ala Ser Gly Cys Gly Leu Phe Asn Tyr Thr
 115 120 125
 Leu Leu Phe Thr Leu Phe Thr Ile Val Cys Lys Val Gln His Leu Gln
 130 135 140
 Ala Arg Asn Thr Gly Leu Pro His Ser Gly Trp Leu Gly Leu Met Lys
 145 150 155 160
 Ala Thr Lys Gln Cys Ala Gln Ser Lys Gln Arg Leu Pro Leu Ala Gly
 165 170 175
 Ala His Ser Pro Arg Glu Gly Ile Ser Phe Ser Leu Asp Leu Gly Ala
 180 185 190
 Lys Ala Thr His Gly Ser Asp Gln Thr Thr Cys Ser Pro His Leu

	195	200	205
<210>	264		
<211>	204		
<212>	PRT		
<213>	Homo sapiens		
<400>	264		
Gly Ala Ser Ser Gln Tyr Gly Asn Glu Asp Gly Val Asn Leu Phe Pro			
1	5	10	15
Leu Met Ser Pro Pro Leu Tyr Thr Asn Leu Leu Lys Pro Thr Gly Lys			
	20	25	30
Leu Arg Leu Gly Asn Lys Asn Ile Lys Cys Tyr Val Gln Ile Leu Lys			
	35	40	45
Trp Asn Leu Lys Leu Leu Val Leu Gln Leu Phe Leu Lys Ile Pro Thr			
	50	55	60
Leu Ser Arg Ser Met Ser Phe Arg Glu Arg Thr Tyr Val Ala Arg Glu			
65	70	75	80
Lys Ser Lys Glu Ser Met Asn Pro Val Leu Leu Ser Ile Leu Gln Cys			
	85	90	95
Trp Arg Pro Phe Ser Ile Phe His Ser Leu Gly Gln Ser Phe Asn Thr			
	100	105	110
His Leu Leu Lys Ala Ile Tyr Ile Arg Pro Cys Tyr Ser Lys Gly Thr			
	115	120	125
Val Gly Gly Glu Glu Arg Gln Asp Pro Thr Met Glu Leu Lys Ser Ser			
	130	135	140
Leu Asp Arg Phe Pro Phe Pro Ser Gly Gln Ser Lys Pro Asn Asp Thr			
145	150	155	160
Thr Val Ser Ser Phe Pro Glu Gln Arg Asp Val Glu Asn Tyr Leu Phe			
	165	170	175
Thr Ile Val Arg Arg Arg Gln Gly Trp Asn Phe Phe Gln Asn Lys Leu			
	180	185	190
Phe Phe Phe Val Lys Gln Gly Lys Ile Leu Leu Leu			
	195	200	
<210>	265		
<211>	186		
<212>	PRT		
<213>	Homo sapiens		
<400>	265		
Ile Ser Val Thr Asp Leu Ile Gly Gly Lys Trp Ile Phe Gly His Phe			
1	5	10	15

Phe Cys Asn Val Phe Ser Val Asn Val Met Cys Cys Thr Ala Trp Ile
20 25 30
Leu Thr Leu Tyr Val Ile Ser Ile Asp Arg Tyr Leu Gly Ile Met Lys
35 40 45
Pro Leu Thr Tyr Pro Met Arg Gln Lys Gly Lys Cys Met Thr Lys Met
50 55 60
Ile Leu Ser Val Cys Leu Leu Ser Ala Phe Val Thr Leu Pro Thr Ile
65 70 75 80
Phe Gly Arg Ala Gln Asn Val Asn Asp Asp Lys Val Cys Leu Val Ser
85 90 95
Gln Asp Phe Gly Tyr Thr Ile Tyr Ser Thr Ala Leu Ala Ser Ser Pro
100 105 110
Cys Ala Ser Cys Phe Ser Cys Thr Asn Arg Phe Thr Arg Pro Pro Gly
115 120 125
Lys Ala Arg Pro Asn Thr Gly Tyr Leu Ala Ser Leu Glu Trp Ser Gln
130 135 140
Thr Ala Val Val Thr Leu Asn Gly Thr Val Lys Phe Gln Glu Val Glu
145 150 155 160
Glu Cys Ala Lys Leu Ser Arg Leu Leu Lys His Glu Arg Lys Lys Tyr
165 170 175
Leu His Leu Ala Glu Thr Glu Ser Ser Asp
180 185
<210> 266
<211> 184
<212> PRT
<213> Homo sapiens
<400> 266
Phe Thr Val Ile Asn Val Cys Ser Cys Thr Cys Glu Val Lys Ser Phe
1 5 10 15
Ser Leu Leu Ser Asn Ser Tyr Val Pro Asn Ile Phe Ser Lys Phe Leu
20 25 30
Lys Thr Tyr Asn Gly Glu Lys Asn Asn Pro Phe Ser Ser Pro Ala Ser
35 40 45
Leu Met Lys Asn Ser His Phe Ser Leu Phe Leu Leu Phe Leu Leu Val
50 55 60
Val Phe His Ile Ser Cys Leu Ser Ala Val Ser Cys Phe Met Gln Phe
65 70 75 80
Arg Pro Tyr Leu Leu Thr Ser Leu Ser Phe Gln Tyr Lys Asp Ser Cys

	85		90		95
Ile Phe Ser Phe Asn Phe Thr Phe Leu Asn Ser Pro Phe Pro Phe Cys	100		105		110
Asp Pro Gly Ile Ser Gly Val Leu Phe Phe Phe Ile Leu Pro Asp Phe	115		120		125
Ile Tyr Ile Cys Val Tyr Ser Phe Leu Leu Phe Phe Lys Leu Lys Thr	130		135		140
Cys Leu Ser Ser Lys Ser Gly Ser Phe Phe Phe Ser Trp Arg Pro Leu	145		150		155
Ser Gln Asn Pro Leu Ser Phe Cys Phe Asn Glu Asp Tyr Met Leu Ser	165		170		175
Leu Trp Leu Pro Ser Cys Asn Thr	180				
<210> 267					
<211> 201					
<212> PRT					
<213> Homo sapiens					
<400> 267					
Phe Pro Ser Leu Lys Asn Met His Phe Ser Val Pro Leu Arg Cys His	1	5	10		15
Thr Ile Ile Ser Val Gln Lys Arg Val Asn Thr Ala Asp Pro Arg Leu	20		25		30
Leu Leu Leu Lys Cys Pro Ala Cys Lys Ala Gly Ser Trp Leu Val Phe	35		40		45
Gly Val Leu Asp Phe Glu Lys Leu Pro Thr Ile Pro Ser Thr Gly Leu	50		55		60
Cys Lys Tyr Gly Leu Tyr Ile Pro Ala Phe Leu Leu Glu Leu Glu Phe	65		70		75
Ser Lys Tyr Glu Ala Lys Arg Ala Tyr Val Thr Ser Pro Gln Pro Trp	85		90		95
Ala Leu Ser His Gly Thr Ser Leu Ala Gly Ser Val Ser His Val Leu	100		105		110
Ser Gln Phe Leu Ala Glu Arg Ile Lys His Ile Leu Cys Asn Phe Thr	115		120		125
Gly Lys Arg Ile Leu Glu Ala Val Pro Gly Phe Phe Arg Leu Phe Leu	130		135		140
Met His Leu Phe Leu Leu Leu Ile Met Leu Arg Tyr Pro Ser Val Asn	145		150		155
					160

Lys Ser Leu Ile Gln Leu Tyr Ala Lys Ser Tyr Glu Ser Gln Asn Arg
 165 170 175
 Gly Ile Ile Leu Gly Arg Pro Asp Thr Thr Lys Ile Asn Leu Lys Leu
 180 185 190
 Asn Ser Ser Pro Thr Ser Leu Ser Pro
 195 200
 <210> 268
 <211> 321
 <212> PRT
 <213> Homo sapiens
 <400> 268
 Met Asn Gln Thr Leu Asn Ser Ser Gly Thr Val Glu Ser Ala Leu Asn
 1 5 10 15
 Tyr Ser Arg Gly Ser Thr Val His Thr Ala Tyr Leu Val Leu Ser Ser
 20 25 30
 Leu Ala Met Phe Thr Cys Leu Cys Gly Met Ala Gly Asn Ser Met Val
 35 40 45
 Ile Trp Leu Leu Gly Phe Arg Met His Arg Asn Pro Phe Cys Ile Tyr
 50 55 60
 Ile Leu Asn Leu Ala Ala Ala Asp Leu Leu Phe Leu Phe Ser Met Ala
 65 70 75 80
 Ser Thr Leu Ser Leu Glu Thr Gln Pro Leu Val Asn Thr Thr Asp Lys
 85 90 95
 Val His Glu Leu Met Lys Arg Leu Met Tyr Phe Ala Tyr Thr Val Gly
 100 105 110
 Leu Ser Leu Leu Thr Ala Ile Ser Thr Gln Arg Cys Leu Ser Val Leu
 115 120 125
 Phe Pro Ile Trp Phe Lys Cys His Arg Pro Arg His Leu Ser Ala Trp
 130 135 140
 Val Cys Gly Leu Leu Trp Thr Leu Cys Leu Leu Met Asn Gly Leu Thr
 145 150 155 160
 Ser Ser Phe Cys Ser Lys Phe Leu Lys Phe Asn Glu Asp Arg Cys Phe
 165 170 175
 Arg Val Asp Met Val Gln Ala Ala Leu Ile Met Gly Val Leu Thr Pro
 180 185 190
 Val Met Thr Leu Ser Ser Leu Thr Leu Phe Val Trp Val Arg Arg Ser
 195 200 205
 Ser Gln Gln Trp Arg Arg Gln Pro Thr Arg Leu Phe Val Val Val Leu
 210 215 220

Ala Ser Val Leu Val Phe Leu Ile Cys Ser Leu Pro Leu Ser Ile Tyr
225 230 235 240

Trp Phe Val Leu Tyr Trp Leu Ser Leu Pro Pro Glu Met Gln Val Leu
245 250 255

Cys Phe Ser Leu Ser Arg Leu Ser Ser Ser Val Ser Ser Ser Ala Asn
260 265 270

Pro Val Ile Tyr Phe Leu Val Gly Ser Arg Arg Ser His Arg Leu Pro
275 280 285

Thr Arg Ser Leu Gly Thr Val Leu Gln Gln Ala Leu Arg Glu Glu Pro
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Glu Leu Glu Gly Gly Glu Thr Pro Thr Val Gly Thr Asn Glu Met Gly
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